Texas Commission on Environmental Quality

Edwards Aquifer Application Cover Page

Our Review of Your Application

The Edwards Aquifer Program staff conducts an administrative and technical review of all applications. The turnaround time for administrative review can be up to 30 days as outlined in 30 TAC 213.4(e). Generally administrative completeness is determined during the intake meeting or within a few days of receipt. The turnaround time for technical review of an administratively complete Edwards Aquifer application is 90 days as outlined in 30 TAC 213.4(e). Please know that the review and approval time is directly impacted by the quality and completeness of the initial application that is received. In order to conduct a timely review, it is imperative that the information provided in an Edwards Aquifer application include final plans, be accurate, complete, and in compliance with 30 TAC 213.

Administrative Review

1. Edwards Aquifer applications must be deemed administratively complete before a technical review can begin. To be considered administratively complete, the application must contain completed forms and attachments, provide the requested information, and meet all the site plan requirements. The submitted application and plan sheets should be final plans. Please submit one full-size set of plan sheets with the original application, and half-size sets with the additional copies.

   To ensure that all applicable documents are included in the application, the program has developed tools to guide you and web pages to provide all forms, checklists, and guidance. Please visit the below website for assistance: http://www.tceq.texas.gov/field/eapp.

2. This Edwards Aquifer Application Cover Page form (certified by the applicant or agent) must be included in the application and brought to the administrative review meeting.

3. Administrative reviews are scheduled with program staff who will conduct the review. Applicants or their authorized agent should call the appropriate regional office, according to the county in which the project is located, to schedule a review. The average meeting time is one hour.

4. In the meeting, the application is examined for administrative completeness. Deficiencies will be noted by staff and emailed or faxed to the applicant and authorized agent at the end of the meeting, or shortly after. Administrative deficiencies will cause the application to be deemed incomplete and returned.

   An appointment should be made to resubmit the application. The application is re-examined to ensure all deficiencies are resolved. The application will only be deemed administratively complete when all administrative deficiencies are addressed.

5. If an application is received by mail, courier service, or otherwise submitted without a review meeting, the administrative review will be conducted within 30 days. The applicant and agent will be contacted with the results of the administrative review. If the application is found to be administratively incomplete, it can be retrieved from the regional office or returned by regular mail. If returned by mail, the regional office may require arrangements for return shipping.

6. If the geologic assessment was completed before October 1, 2004 and the site contains “possibly sensitive” features, the assessment must be updated in accordance with the *Instructions to Geologists* (TCEQ-0585 Instructions).

Technical Review

1. When an application is deemed administratively complete, the technical review period begins. The regional office will distribute copies of the application to the identified affected city, county, and groundwater conservation district whose jurisdiction includes the subject site. These entities and the public have 30 days to provide comments on the application to the regional office. All comments received are reviewed by TCEQ.

2. A site assessment is usually conducted as part of the technical review, to evaluate the geologic assessment and observe existing site conditions. The site must be accessible to our staff. The site boundaries should be

clearly marked, features identified in the geologic assessment should be flagged, roadways marked and the alignment of the Sewage Collection System and manholes should be staked at the time the application is submitted. If the site is not marked the application may be returned.

3. We evaluate the application for technical completeness and contact the applicant and agent via Notice of Deficiency (NOD) to request additional information and identify technical deficiencies. There are two deficiency response periods available to the applicant. There are 14 days to resolve deficiencies noted in the first NOD. If a second NOD is issued, there is an additional 14 days to resolve deficiencies. If the response to the second notice is not received, is incomplete or inadequate, or provides new information that is incomplete or inadequate, the application must be withdrawn or will be denied. Please note that because the technical review is underway, whether the application is withdrawn or denied the application fee will be forfeited.
4. The program has 90 calendar days to complete the technical review of the application. If the application is technically adequate, such that it complies with the Edwards Aquifer rules, and is protective of the Edwards Aquifer during and after construction, an approval letter will be issued. Construction or other regulated activity may not begin until an approval is issued.

Mid-Review Modifications

It is important to have final site plans prior to beginning the permitting process with TCEQ to avoid delays.

Occasionally, circumstances arise where you may have significant design and/or site plan changes after your Edwards Aquifer application has been deemed administratively complete by TCEQ. This is considered a "Mid-Review Modification". Mid-Review Modifications may require redistribution of an application that includes the proposed modifications for public comment.

If you are proposing a Mid-Review Modification, two options are available:

- If the technical review has begun your application can be denied/withdrawn, your fees will be forfeited, and the plan will have to be resubmitted.
- TCEQ can continue the technical review of the application as it was submitted, and a modification application can be submitted at a later time.

If the application is denied/withdrawn, the resubmitted application will be subject to the administrative and technical review processes and will be treated as a new application. The application will be redistributed to the affected jurisdictions.

Please contact the regional office if you have questions. If your project is located in Williamson, Travis, or Hays County, contact TCEQ's Austin Regional Office at 512-339-2929. If your project is in Comal, Bexar, Medina, Uvalde, or Kinney County, contact TCEQ's San Antonio Regional Office at 210-490-3096

Please fill out all required fields below and submit with your application.

1. Regulated Entity Name: Leander High School						2. Regulated Entity No.: RN103171310			
3. Customer Name: Leander ISD						4. Customer No.: CN600781074			
5. Project Type: (Please circle/check one)	New		Modification			Extension		Exception	
6. Plan Type: (Please circle/check one)	WPAP	CZP	SCS	UST	AST	EXP	EXT	Technical Clarification	Optional Enhanced Measures
7. Land Use: (Please circle/check one)	Residential		Non-residential			8. Site (acres):			90
9. Application Fee:	$8,000		10. Permanent BMP(s):			Sedimentation/Filtration pond			
11. SCS (Linear Ft.):	0		12. AST/UST (No. Tanks):			0			
13. County:	Williamson		14. Watershed:			Brushy Creek			

Application Distribution

Instructions: Use the table below to determine the number of applications required. One original and one copy of the application, plus additional copies (as needed) for each affected incorporated city, county, and groundwater conservation district are required. Linear projects or large projects, which cross into multiple jurisdictions, can require additional copies. Refer to the "Texas Groundwater Conservation Districts within the EAPP Boundaries" map found at:

http://www.tceq.texas.gov/assets/public/compliance/field_ops/eapp/EAPP%20GWCD%20map.pdf

For more detailed boundaries, please contact the conservation district directly.

Austin Region			
County:	Hays	Travis	Williamson
Original (1 req.)	__	__	__
Region (1 req.)	__	__	__
County(ies)	__	__	__
Groundwater Conservation District(s)	__Edwards Aquifer Authority __Barton Springs/ Edwards Aquifer __Hays Trinity __Plum Creek	__Barton Springs/ Edwards Aquifer	NA
City(ies) Jurisdiction	__Austin __Buda __Dripping Springs __Kyle __Mountain City __San Marcos __Wimberley __Woodcreek	__Austin __Bee Cave __Pflugerville __Rollingwood __Round Rock __Sunset Valley __West Lake Hills	__Austin __Cedar Park __Florence __Georgetown __Jerrell _1_Leander __Liberty Hill __Pflugerville __Round Rock

San Antonio Region					
County:	Bexar	Comal	Kinney	Medina	Uvalde
Original (1 req.)	__	__	__	__	__
Region (1 req.)	__	__	__	__	__
County(ies)	__	__	__	__	__
Groundwater Conservation District(s)	__ Edwards Aquifer Authority __Trinity-Glen Rose	__Edwards Aquifer Authority	__Kinney	__EAA __Medina	__EAA __Uvalde
City(ies) Jurisdiction	__Castle Hills __Fair Oaks Ranch __Helotes __Hill Country Village __Hollywood Park __San Antonio (SAWS) __Shavano Park	__Bulverde __Fair Oaks Ranch __Garden Ridge __New Braunfels __Schertz	NA	__San Antonio ETJ (SAWS)	NA

I certify that to the best of my knowledge, that the application is complete and accurate. This application is hereby submitted to TCEQ for administrative review and technical review. Zhipeng Xing
Print Name of Customer/Authorized Agent
02/02/2026
Signature of Customer/Authorized Agent Date

FOR TCEQ INTERNAL USE ONLY				
Date(s)Reviewed:		Date Administratively Complete:		
Received From:		Correct Number of Copies:		
Received By:		Distribution Date:		
EAPP File Number:		Complex:		
Admin. Review(s) (No.):		No. AR Rounds:		
Delinquent Fees (Y/N):		Review Time Spent:		
Lat./Long. Verified:		SOS Customer Verification:		
Agent Authorization Complete/Notarized (Y/N):		Fee Check:	Payable to TCEQ (Y/N):	
Core Data Form Complete (Y/N):			Signed (Y/N):	
Core Data Form Incomplete Nos.:			Less than 90 days old (Y/N):	

Contributing Zone Plan Application

Texas Commission on Environmental Quality

for Regulated Activities on the Contributing Zone to the Edwards Aquifer and Relating to 30 TAC §213.24(1), Effective June 1, 1999

To ensure that the application is administratively complete, confirm that all fields in the form are complete, verify that all requested information is provided, consistently reference the same site and contact person in all forms in the application, and ensure forms are signed by the appropriate party.

Note: Including all the information requested in the form and attachments contributes to more streamlined technical reviews.

Signature

To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer. This Contributing Zone Plan Application is hereby submitted for TCEQ review and Executive Director approval. The application was prepared by:

Print Name of Customer/Agent: Zhipeng Xing

Date: 02/02/2026

Signature of Customer/Agent:

Regulated Entity Name: Leander High School

Project Information

1. County: Williamson
2. Stream Basin: Brushy
3. Groundwater Conservation District (if applicable): NA
4. Customer (Applicant):

   Contact Person: Jeremy Trimble
   Entity: Leander Independent School District
   Mailing Address: 301B S W Dr
   City, State: Leander, TX Zip: 78641
   Telephone: 512-570-0415 Fax: 512-570-0054
   Email Address: jeremy.trimble@leanderisd.org

5. Agent/Representative (If any):

Contact Person: Zhipeng Xing
Entity: Halff Associates
Mailing Address: 5113 Southwest Pkwy #140
City, State: Austin, TX Zip: 78735
Telephone: 512-777-4641 Fax: _____
Email Address: zxing@halff.com

6. Project Location:

☒ The project site is located inside the city limits of Leander.
☐ The project site is located outside the city limits but inside the ETJ (extra-territorial jurisdiction) of _____.
☐ The project site is not located within any city's limits or ETJ.

7. ☒ The location of the project site is described below. Sufficient detail and clarity has been provided so that the TCEQ's Regional staff can easily locate the project and site boundaries for a field investigation.

Leander High Schoo is about 0.6 miles north of Bagdad Road and New Hope Dr intersection.

8. ☒ Attachment A - Road Map. A road map showing directions to and the location of the project site is attached. The map clearly shows the boundary of the project site.

9. ☒ Attachment B - USGS Quadrangle Map. A copy of the official 7 ½ minute USGS Quadrangle Map (Scale: 1" = 2000') is attached. The map(s) clearly show:

☒ Project site boundaries.
☒ USGS Quadrangle Name(s).

10. ☒ Attachment C - Project Narrative. A detailed narrative description of the proposed project is attached. The project description is consistent throughout the application and contains, at a minimum, the following details:

☒ Area of the site
☒ Offsite areas
☒ Impervious cover
☒ Permanent BMP(s)
☒ Proposed site use
☒ Site history
☒ Previous development
☒ Area(s) to be demolished

11. Existing project site conditions are noted below:

☐ Existing commercial site
☐ Existing industrial site

☐ Existing residential site
☐ Existing paved and/or unpaved roads
☐ Undeveloped (Cleared)
☐ Undeveloped (Undisturbed/Not cleared)
☒ Other: Public School

12. The type of project is:

☐ Residential: # of Lots: _____
☐ Residential: # of Living Unit Equivalents: _____
☐ Commercial
☐ Industrial
☒ Other: Public School

13. Total project area (size of site): 90 Acres

    Total disturbed area: 36.30 Acres

14. Estimated projected population: NA

15. The amount and type of impervious cover expected after construction is complete is shown below:

Table 1 - Impervious Cover

Impervious Cover of Proposed Project	*Sq. Ft.*	*Sq. Ft./Acre*	*Acres*
Structures/Rooftops	480,917.03	÷ 43,560 =	11.04
Parking	1,040,885.03	÷ 43,560 =	23.90
Other paved surfaces	346,533.65	÷ 43,560 =	7.95
Total Impervious Cover	1,868,335.71	÷ 43,560 =	42.89

Total Impervious Cover 42.89 ÷ Total Acreage 90 X 100 = 47.65% Impervious Cover

16. ☒ Attachment D - Factors Affecting Surface Water Quality. A detailed description of all factors that could affect surface water quality is attached. If applicable, this includes the location and description of any discharge associated with industrial activity other than construction.

17. ☒ Only inert materials as defined by 30 TAC 330.2 will be used as fill material.

For Road Projects Only

Complete questions 18 - 23 if this application is exclusively for a road project.

☐ N/A

18. Type of project:

- ☐ TXDOT road project.
- ☐ County road or roads built to county specifications.
- ☐ City thoroughfare or roads to be dedicated to a municipality.
- ☐ Street or road providing access to private driveways.

19. Type of pavement or road surface to be used:

- ☐ Concrete
- ☐ Asphaltic concrete pavement
- ☐ Other: _____

20. Right of Way (R.O.W.):

Length of R.O.W.: _____ feet.
Width of R.O.W.: _____ feet.
L x W = _____Ft^2 ÷ 43,560 Ft^2/Acre = _____ acres.

21. Pavement Area:

Length of pavement area: _____ feet.
Width of pavement area: _____ feet.
L x W = _____Ft^2 ÷ 43,560 Ft^2/Acre = _____ acres.
Pavement area _____ acres ÷ R.O.W. area _____ acres x 100 = _____% impervious cover.

22. ☐ A rest stop will be included in this project.

☐ A rest stop will not be included in this project.

23. ☐ Maintenance and repair of existing roadways that do not require approval from the TCEQ Executive Director. Modifications to existing roadways such as widening roads/adding shoulders totaling more than one-half (1/2) the width of one (1) existing lane require prior approval from the TCEQ.

Stormwater to be generated by the Proposed Project

24. ☒ Attachment E - Volume and Character of Stormwater. A detailed description of the volume (quantity) and character (quality) of the stormwater runoff which is expected to occur from the proposed project is attached. The estimates of stormwater runoff quality and quantity are based on area and type of impervious cover. Include the runoff coefficient of the site for both pre-construction and post-construction conditions.

Wastewater to be generated by the Proposed Project

25. ☐ Wastewater is to be discharged in the contributing zone. Requirements under 30 TAC §213.6(c) relating to Wastewater Treatment and Disposal Systems have been satisfied.

☒ N/A

26. Wastewater will be disposed of by:

☐ On-Site Sewage Facility (OSSF/Septic Tank):

☐ Attachment F - Suitability Letter from Authorized Agent. An on-site sewage facility will be used to treat and dispose of the wastewater from this site. The appropriate licensing authority's (authorized agent) written approval is attached. It states that the land is suitable for the use of private sewage facilities and will meet or exceed the requirements for on-site sewage facilities as specified under 30 TAC Chapter 285 relating to On-site Sewage Facilities.

☐ Each lot in this project/development is at least one (1) acre (43,560 square feet) in size. The system will be designed by a licensed professional engineer or registered sanitarian and installed by a licensed installer in compliance with 30 TAC Chapter 285.

☒ Sewage Collection System (Sewer Lines):
The sewage collection system will convey the wastewater to the CIty of Leander (name) Treatment Plant. The treatment facility is:

☒ Existing.
☐ Proposed.

☒ N/A

Permanent Aboveground Storage Tanks(ASTs) ≥ 500 Gallons

Complete questions 27 - 33 if this project includes the installation of AST(s) with volume(s) greater than or equal to 500 gallons.

☒N/A

27. Tanks and substance stored:

Table 2 - Tanks and Substance Storage

AST Number	*Size (Gallons)*	*Substance to be Stored*	*Tank Material*
1			
2			
3			
4			
5			

Total x 1.5 = _____ Gallons

28. ☐ The AST will be placed within a containment structure that is sized to capture one and one-half (1 1/2) times the storage capacity of the system. For facilities with more than

one tank system, the containment structure is sized to capture one and one-half (1 1/2) times the cumulative storage capacity of all systems.

☐ Attachment G - Alternative Secondary Containment Methods. Alternative methods for providing secondary containment are proposed. Specifications showing equivalent protection for the Edwards Aquifer are attached.

29. Inside dimensions and capacity of containment structure(s):

Table 3 - Secondary Containment

Length (L)(Ft.)	*Width(W)(Ft.)*	*Height (H)(Ft.)*	*L x W x H = (Ft3)*	*Gallons*

Total: _____ Gallons

30. Piping:

☐ All piping, hoses, and dispensers will be located inside the containment structure.
☐ Some of the piping to dispensers or equipment will extend outside the containment structure.
☐ The piping will be aboveground
☐ The piping will be underground

31. ☐ The containment area must be constructed of and in a material impervious to the substance(s) being stored. The proposed containment structure will be constructed of: _____.

32. ☐ Attachment H - AST Containment Structure Drawings. A scaled drawing of the containment structure is attached that shows the following:

☐ Interior dimensions (length, width, depth and wall and floor thickness).
☐ Internal drainage to a point convenient for the collection of any spillage.
☐ Tanks clearly labeled
☐ Piping clearly labeled
☐ Dispenser clearly labeled

33. ☐ Any spills must be directed to a point convenient for collection and recovery. Spills from storage tank facilities must be removed from the controlled drainage area for disposal within 24 hours of the spill.

☐ In the event of a spill, any spillage will be removed from the containment structure within 24 hours of the spill and disposed of properly.

☐ In the event of a spill, any spillage will be drained from the containment structure through a drain and valve within 24 hours of the spill and disposed of properly. The drain and valve system are shown in detail on the scaled drawing.

Site Plan Requirements

Items 34 - 46 must be included on the Site Plan.

34. ☒ The Site Plan must have a minimum scale of 1" = 400'.

    Site Plan Scale: 1" = 30'.

35. 100-year floodplain boundaries:

    ☒ Some part(s) of the project site is located within the 100-year floodplain. The floodplain is shown and labeled.

    ☐ No part of the project site is located within the 100-year floodplain.

    The 100-year floodplain boundaries are based on the following specific (including date of material) sources(s): FEMA FIRM 48491C0461F (12/20/2019).

36. ☒ The layout of the development is shown with existing and finished contours at appropriate, but not greater than ten-foot contour intervals. Lots, recreation centers, buildings, roads, etc. are shown on the site plan.

    ☐ The layout of the development is shown with existing contours at appropriate, but not greater than ten-foot contour intervals. Finished topographic contours will not differ from the existing topographic configuration and are not shown. Lots, recreation centers, buildings, roads, etc. are shown on the site plan.

37. ☒ A drainage plan showing all paths of drainage from the site to surface streams.

38. ☒ The drainage patterns and approximate slopes anticipated after major grading activities.

39. ☒ Areas of soil disturbance and areas which will not be disturbed.

40. ☒ Locations of major structural and nonstructural controls. These are the temporary and permanent best management practices.

41. ☒ Locations where soil stabilization practices are expected to occur.

42. ☒ Surface waters (including wetlands).

    ☐ N/A

43. ☒ Locations where stormwater discharges to surface water.

    ☐ There will be no discharges to surface water.

44. ☐ Temporary aboveground storage tank facilities.

    ☒ Temporary aboveground storage tank facilities will not be located on this site.

45. ☐ Permanent aboveground storage tank facilities.

☒ Permanent aboveground storage tank facilities will not be located on this site.

46. ☒ Legal boundaries of the site are shown.

Permanent Best Management Practices (BMPs)

Practices and measures that will be used during and after construction is completed.

47. ☒ Permanent BMPs and measures must be implemented to control the discharge of pollution from regulated activities after the completion of construction.

☐ N/A

48. ☒ These practices and measures have been designed, and will be constructed, operated, and maintained to insure that 80% of the incremental increase in the annual mass loading of total suspended solids (TSS) from the site caused by the regulated activity is removed. These quantities have been calculated in accordance with technical guidance prepared or accepted by the executive director.

☒ The TCEQ Technical Guidance Manual (TGM) was used to design permanent BMPs and measures for this site.

☐ A technical guidance other than the TCEQ TGM was used to design permanent BMPs and measures for this site. The complete citation for the technical guidance that was used is: _____.

☐ N/A

49. ☒ Owners must insure that permanent BMPs and measures are constructed and function as designed. A Texas Licensed Professional Engineer must certify in writing that the permanent BMPs or measures were constructed as designed. The certification letter must be submitted to the appropriate regional office within 30 days of site completion.

☐ N/A

50. Where a site is used for low density single-family residential development and has 20 % or less impervious cover, other permanent BMPs are not required. This exemption from permanent BMPs must be recorded in the county deed records, with a notice that if the percent impervious cover increases above 20% or land use changes, the exemption for the whole site as described in the property boundaries required by 30 TAC §213.4(g) (relating to Application Processing and Approval), may no longer apply and the property owner must notify the appropriate regional office of these changes.

☐ The site will be used for low density single-family residential development and has 20% or less impervious cover.

☐ The site will be used for low density single-family residential development but has more than 20% impervious cover.

☒ The site will not be used for low density single-family residential development.

51. The executive director may waive the requirement for other permanent BMPs for multi-family residential developments, schools, or small business sites where 20% or less impervious cover is used at the site. This exemption from permanent BMPs must be recorded in the county deed records, with a notice that if the percent impervious cover increases above 20% or land use changes, the exemption for the whole site as described in the property boundaries required by 30 TAC §213.4(g) (relating to Application Processing and Approval), may no longer apply and the property owner must notify the appropriate regional office of these changes.

    ☐ Attachment I - 20% or Less Impervious Cover Waiver. The site will be used for multi-family residential developments, schools, or small business sites and has 20% or less impervious cover. A request to waive the requirements for other permanent BMPs and measures is attached.
    ☒ The site will be used for multi-family residential developments, schools, or small business sites but has more than 20% impervious cover.
    ☐ The site will not be used for multi-family residential developments, schools, or small business sites.

52. ☒ Attachment J - BMPs for Upgradient Stormwater.

    ☒ A description of the BMPs and measures that will be used to prevent pollution of surface water, groundwater, or stormwater that originates upgradient from the site and flows across the site is attached.
    ☐ No surface water, groundwater or stormwater originates upgradient from the site and flows across the site, and an explanation is attached.
    ☐ Permanent BMPs or measures are not required to prevent pollution of surface water, groundwater, or stormwater that originates upgradient from the site and flows across the site, and an explanation is attached.

53. ☒ Attachment K - BMPs for On-site Stormwater.

    ☒ A description of the BMPs and measures that will be used to prevent pollution of surface water or groundwater that originates on-site or flows off the site, including pollution caused by contaminated stormwater runoff from the site is attached.
    ☐ Permanent BMPs or measures are not required to prevent pollution of surface water or groundwater that originates on-site or flows off the site, including pollution caused by contaminated stormwater runoff, and an explanation is attached.

54. ☒ Attachment L - BMPs for Surface Streams. A description of the BMPs and measures that prevent pollutants from entering surface streams is attached.

    ☐ N/A

55. ☒ Attachment M - Construction Plans. Construction plans and design calculations for the proposed permanent BMPs and measures have been prepared by or under the direct supervision of a Texas Licensed Professional Engineer, and are signed, sealed, and dated. Construction plans for the proposed permanent BMPs and measures are

attached and include: Design calculations, TCEQ Construction Notes, all proposed structural plans and specifications, and appropriate details.

☐ N/A

56. ☒ Attachment N - Inspection, Maintenance, Repair and Retrofit Plan. A site and BMP specific plan for the inspection, maintenance, repair, and, if necessary, retrofit of the permanent BMPs and measures is attached. The plan fulfills all of the following:

    ☒ Prepared and certified by the engineer designing the permanent BMPs and measures
    ☒ Signed by the owner or responsible party
    ☒ Outlines specific procedures for documenting inspections, maintenance, repairs, and, if necessary, retrofit.
    ☒ Contains a discussion of record keeping procedures

    ☐ N/A

57. ☐ Attachment O - Pilot-Scale Field Testing Plan. Pilot studies for BMPs that are not recognized by the Executive Director require prior approval from the TCEQ. A plan for pilot-scale field testing is attached.

    ☒ N/A

58. ☒ Attachment P - Measures for Minimizing Surface Stream Contamination. A description of the measures that will be used to avoid or minimize surface stream contamination and changes in the way in which water enters a stream as a result of the construction and development is attached. The measures address increased stream flashing, the creation of stronger flows and in-stream velocities, and other in-stream effects caused by the regulated activity, which increase erosion that result in water quality degradation.

    ☐ N/A

Responsibility for Maintenance of Permanent BMPs and Measures after Construction is Complete.

59. ☒ The applicant is responsible for maintaining the permanent BMPs after construction until such time as the maintenance obligation is either assumed in writing by another entity having ownership or control of the property (such as without limitation, an owner's association, a new property owner or lessee, a district, or municipality) or the ownership of the property is transferred to the entity. Such entity shall then be responsible for maintenance until another entity assumes such obligations in writing or ownership is transferred.

60. ☒ A copy of the transfer of responsibility must be filed with the executive director at the appropriate regional office within 30 days of the transfer if the site is for use as a multiple single-family residential development, a multi-family residential development,

or a non-residential development such as commercial, industrial, institutional, schools, and other sites where regulated activities occur.

Administrative Information

61. ☒ Submit one (1) original and one (1) copy of the application, plus additional copies as needed for each affected incorporated city, groundwater conservation district, and county in which the project will be located. The TCEQ will distribute the additional copies to these jurisdictions.

62. ☒ Any modification of this Contributing Zone Plan may require TCEQ review and Executive Director approval prior to construction, and may require submission of a revised application, with appropriate fees.

63. ☒ The site description, controls, maintenance, and inspection requirements for the storm water pollution prevention plan (SWPPP) developed under the EPA NPDES general permits for stormwater discharges have been submitted to fulfill paragraphs 30 TAC §213.24(1-5) of the technical report. All requirements of 30 TAC §213.24(1-5) have been met by the SWPPP document.

☐ The Temporary Stormwater Section (TCEQ-0602) is included with the application.

ATTACHMENT A

Road Map

Bagdad Road
New Hope Drive
Osage Dr
N Lakeline Blvd
Silver Spur Ln
Saddle Blanket Pl
Granite Creek Dr
Blueline Dr
Byfield Dr
Apollo Ln
Parker Pl
Keegans Way
Heritage Park Dr
County Road 278
Hawk Dr
Romeo Dr
Founder Dr
Baker's Way
Amy Lynn Ln
Mathias St
Prosperity
Cross Draw
Tall Chief
Cougar Country Dr
County Road 276
Tremont Dr

ATTACHMENT B

USGS Quadrangle Map

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

The National Map US Topo

LEANDER QUADRANGLE
TEXAS
7.5-MINUTE SERIES

-97.8750° 608000mE 09 10 11 12 13 14 15 16 17 18 19 -97.7500°
30.6250° 3388000mN 30.6250°
88 87 86 85 84 83 82 81 80 79 78 77 76 75
30.5000° 08 09 10 11 12 13 14 15 16 17 18 619000mE 30.5000°
-97.8750° -97.7500°
3375000mN

LEANDER
GEORGETOWN
ROUND ROCK
CEDAR PARK
AUSTIN
White Stone

Leander High School

South Fork San Gabriel River
S Fork Brushy Cr
N Fork Brushy Cr
Brushy Cr
Mason Cr
Block House Cr
Post Oak Cr
Cottonwood Cr
Spanish Oak Cr
Dry Fork Cr
Chandler Br
Walsh Lake
Brushy Creek
South Brushy Creek
Bee Cove Hollow
Lime Cr
Cluck Cr

Wells Cem
Upchurch Cem
Whitley Cem
Austin Community College - San Gabriel Campus
Davis Cem
Bagdad Cem
New Hope Cem
Gilreath Cem
Champion Cem
Cedar Park Cem
Bonnet Cem

Soil Conservation Service Site 2 Reservoir
Soil Conservation Service Site 5 Reservoir
Soil Conservation Service Site 4 Reservoir
Soil Conservation Service Site 13a Reservoir

Hank Sasser Airport at Breakaway

TALON GRASP TRL, SIERRA MAR, RIVER RUN, S GABRIEL DR, N HILL CIR, HIGH GABRIEL DR, SIGNAL HILL DR, RIVA RIDGE DR, ORCHARD DR, CO RD 266, CO RD 247, VIA DE SIENNA, RONALD REAGAN BLVD, CO RD 268, RONALD W REAGAN BLVD, PIENZA DR, RANCHO SIENNA LOOP, SATURNIA DR, PANZANO DR, RIDGE VIEW DR, LAKE SIDE DR, WATERFORD LN, JUDGE FISK DR, PLEASANT HILL RD, BRYSON RIDGE TRL, AMANDAS WAY, CO RD 276, HWY 183, CHRISTOPHER LN, CO RD 270, BAKER LN, AZUL LAGOON DR, PALMERA RIDGE BLVD, VISTA HIGHTS DR, ELM RIDGE DR, UNITY DR, JUNIPER COVE, GABEY RANCH CONVRTCN, VP RANCH DR, ESCALERA PKWY, CHADWICK DR, RANCH RD 2243, OAK GROVE RD, HERITAGE GROVE RD, W BROADE ST, E SAN GABRIEL PKWY, 183A, HWY 183A SYC RD, N MEL MATHIS BLVD, MIDDLE BROOK DR, REMINGTON DR, WHITLEY DR, S BROOK DR, RANCHERO RD, N CREEK BLVD, BAGDAD RD, OLD 2243 W, W SOUTH ST, WINDMILL CIR, N BAGDAD RD, MUNICIPAL DR, LION DR, HORSESHOE DR, CO RD 274, VISTA RIDGE DR, OLMOS DR, PEREGRINE WAY, EAGLES WAY, FALCON OAKS DR, RED HAWK DR, STINNETT LN, SONNY DR, PLANO LN, VOLENTE LN, HONEYSUCKLE DR, AMERICAN TRL, TOPAZ LN, MOON GLOW DR, NORTHERN TRL, LACY DR, GLASS DR, HIGH CHAPARRAL DR, LEANDER DR, S BAGDAD RD, LOS VISTA DR, BONITA VERDE DR, TAMARAC TRL, PARKWOOD DR, DEEPWOODS TRL, MULEDEER RUN, BOVINA DR, UPLAND DR, GREENING WAY, BURR PKWY, HOLLOWBACK DR, DURBIN DR, OLD BAGDAD RD, WEST DR, LOVE OAK DR, HERNANDOS LOOP, EMERALD ISLE DR, CRYSTAL FALLS PKWY, WIGWAM, OAKWOOD DR, APACHE TRL, SIOUX TRL, SEMINOLE RD, AMBUSH CANYON, FIRST VW, OUTLOOK RIDGE LOOP, CHAMPIONS CORNER DR, POW WOW, HIGHLAND TRL, N LAKELINE BLVD, SILVER SPUR LN, GRANITE CREEK DR, TUMBLING RIVER DR, OSAGE DR, PEACH TREE LN, GLEN FIELD DR, BIFIELD DR, SYCAMORE LN, CYPRESS LN, BOIS D ARC LN, N BELL BLVD, CO RD 181, HERITAGE PARK LN, S BAGDAD RD, COLUMBINE AVE, CLOVER LN, VALPON TRL, TALL CHIEF, COUGAR COUNTRY DR, CORAL VALLEY DR, GRANITE HILL DR, ZOA DR, WHEATON TRL, BARNETT DR, TRAVIS CO, WILLIAMSON CO, TREMONT DR, CEDAR HILLS BLVD, CEDAR CREST DR, W NEW HOPE DR, WOOD CREEK DR, CARRIAGE HILLS TRL, COUNTRY SQUIRE DR, PARKSVILLE WAY, KNOLL RIDGE DR, MEGHAN DR, BRASHEAR LN, HIGHLAND DR, CO RD 278, CENTRAL DR, CENTURY LN, DORIS LN, SILVERSTONE DR, CARRIAGE CLUB DR, CONTINENTAL PASS, RIMSTONE DR, AMBLING TRL, ANDERSON MILL RD, WOODALL DR, FM 1431, TREELINE DR, RANCH RD 1431, LIME CREEK RD, VISTA OAKS DR, WIRE RD, LONE STAR DR, BLUEBONNET DR, RED BUD DR, DEWBERRY DR, POST OAK CIR, BRIER OAKS DR, CEDAR PARK DR, DOGWOOD TRL, MONARCH AVE, ROYAL LN, MARQUIS LN, ESCARPMENT WAY, PARKWEST DR, PASO FINO TRL, N MUSTANG AVE, E PARK ST, S LAKELINE BLVD, W PARK ST, COLBY LN, FOREST TRL, TIMBER TRL, S WINDCUP TRL, CLUCK CREEK TRL, BUTTERCUP CREEK BLVD, S BELL BLVD, OLD HWY 183, S KINGS CYN DR, S MUSTANG AVE, S COUGAR AVE, S BUFFALO AVE, CO RD 174, BRUSHY CREEK RD, DARKWOOD DR, TALLOW TRL, CASHEW LN, SAVANNA LN, ANTELOPE RIDGE, S LONNWOOD TRL, S CADWALLA LN, TRAILRIDGE DR, WATER OAK DR, MANDRIN FERWAY, GUPTON WAY, WILSON RANCH PL, WILDLIFE RUN, S VISTA RIDGE BLVD, N VISTA RIDGE BLVD, BREAKAWAY RD, KODIAK TRL, DENALI PASS, SUNSET TER, SUNRISE TER, RAWHIDE TRL, WILLOWBROOK DR, N LYNNWOOD, SETTLEMENT ST, CONN CREEK RD, GOLDEN ARROW AVE, POST RIVER RD, KENAI DR, YUKON CIR, TAKU RD, W PARMER LN, COLONIAL PKWY, E WHITESTONE BLVD, STARWOOD DR, C BAR RANCH TRL, GLACIAL STREAM LN, MEDICAL PKWY, ARROW POINT DR, COTTONWOOD CREEK TRL, MARKET ST, HWY 183A SYC RD, ALAMO PLAZA DR, LOST PINES LN, COLORADO BEND DR, LEGEND OAKS LN, DISCOVERY BLVD, BULL CREEK PKWY, BIG BEND DR, MAIN ST, CO RD 180, LA JAITA DR, E NEW HOPE RD, DOWNING LN, WOODLAND TRL, LAKEWOOD TRL, FOREST TRL, RIO VERDE DR, BLOCKHOUSE DR, TURTLE RIVER DR, BLACK KETTLE DR, SPOTTED EAGLE DR, CREEK RUN DR, CLAUDIA DR, AVE OF THE STARS, S BLOCK HOUSE DR, SUSAN LN, TUMBLEWEED DR, S WALKER DR, MCCARTHUR DR, GOLDEN GATE DR, N BLOCKHOUSE DR, FALL CREEK DR, BRENTWOOD DR, UNION ST, HORIZON PARK BLVD, CHARDONNAY XING, VINTAGE DR, RUTHERFORD DR, E CRYSTAL FALLS PKWY, CALLA LILY BLVD, RIDGEWOOD DR, LAUREL GLEN BLVD, SPRING HOLLOW DR, OVERLOOK BEND, CO RD 273, CO RD 269, CO RD 264, CO RD 271, FM RD 921, RAIDER WAY, MYRNA BND, RIDGMAR RD, W WINDEMERE ST, WEDGESCALE PASS, FAIR OAKS ST, CO RD 177, VALLEY VIEW DR E, GREEK MEADOW COVE, ATLANTA PARK RD, CO RD 175, CO RD 179, ELAINE LOOP, CACTUS MOUND DR, ARTESIAN SPRINGS XING, MAXWELL DR, GRAND LAKE PKWY, PUBLIC TRAILS BLVD, BOWER ST, RONALD W REAGAN BLVD, PECAN CREEK DR, HUDSON LN, PERRY MAYFIELD BLVD, BORHO DR, ACACIA DR, CREST LN, SNOW BIRD LOOP, PSO DE CHARROS, CABALLO RANCH BLVD, CAM ALEMDA, MANADA TRL, MERCREST LOOP, VISTA ISLE DR, GALENA HILLS LOOP, CO RD 175, RANCH RD 1431, CO RD 272, MOORE LN, TORO GRANDE DR, CO RD 178, RALEY RD, SPANISH OAK TRL, WHISPER LN, DEER DRAW ST, PATRICIA RD, BUCK BEND, WHITETAIL DR, FAWNRIDGE ST, DOE RUN, FAIRBOW DR, CROSS TIMBERS DR, PARKSIDE PKWY, FM 685, WIN BATTLEGROUND LN, MONAHANS DR, PURTIS CREEK LN, FORT COBB WAY, GARNER PARK DR, CADDO LAKE DR, MAYFIELD DR, LOGAN RIDGE DR, ARROW WOOD RD, ZACHARYS RUN, AVERY WOODS LN, N FRONTIER LN, SPANISH MUSTANG DR, WALSH HILL TRL, WILLIAMS WAY, SADDLE RIDGE DR, CHUGG DR, RANCH TRL, REMINGTON RD, STILES LN, S FRONTIER LN, ARROWHEAD TRL, BLACK GOLD BND, BISON BND, BRUSHY CREEK RD, PALAMBOR DR, LISI ANNE DR, INDIAN HILLS DR, AVERY RANCH BLVD, DOUBLE EAGLE DR, WHITLEY BAY DR, MONTH GREENS DR, PRESTANCIA DR, AVERY CLUB DR, DODGE CATTLE DR

Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid:Universal Transverse Mercator, Zone 14R

This map is not a legal document. Boundaries may be generalized for this map scale. Private lands within government reservations may not be shown. Obtain permission before entering private lands.

Imagery.....NAIP, September 2016 - November 2016
Roads.....U.S. Census Bureau, 2015 - 2019
Names.....GNIS, 1979 - 2022
Hydrography.....National Hydrography Dataset, 2002 - 2020
Contours.....National Elevation Dataset, 2019
Boundaries.....Multiple sources; see metadata file 2019 - 2021

Wetlands.....FWS National Wetlands Inventory Not Available

MN
GN
3°46′ 67 MILS
0°36′ 11 MILS
UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000 - m Square ID
PU
Grid Zone Designation 14R

SCALE 1:24 000
1 0.5 0 KILOMETERS 1 2
1000 500 0 METERS 1000 2000
1 0.5 0 1
MILES
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
FEET

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the National Geospatial Program US Topo Product Standard.

TEXAS
QUADRANGLE LOCATION

1 2 3
4 5
6 7 8
ADJOINING QUADRANGLES
1 Liberty Hill
2 Leander NE
3 Georgetown
4 Nameless
5 Round Rock
6 Mansfield Dam
7 Jollyville
8 Pflugerville West

ROAD CLASSIFICATION
Expressway
Secondary Hwy
Ramp
Local Connector
Local Road
4WD
Interstate Route
US Route
State Route

LEANDER, TX
2022

NSN, 7643016396981
NGA REF NO. USGSX24K25238

ATTACHMENT C

Project Narrative

The project site (Leander High School) is located on the west side of South Bagdad Road approximately 1.5 miles north of its intersection with F.M. 1431/Whitestone Drive, within the City Limits of the City of Leander, Williamson County, Texas. Refer to Attachment A for a more precise location of the site.

Leander HS has already been developed since the 1980s. A contributing zone plan (CZP) for this site was approved by letter dated November 7, 2008 (EAPP ID No. 11-08091001) for the Bible Stadium improvements, and a sedimentation filtration pond was constructed as part of the improvements. A modification to the CZP was approved by letter dated June 14, 2024 (EAPP ID No. 11003974), for Leander HS modernization master plan phase 1 project, subsequently. Per the two approvals, for the non-residential 90 acres school site, 33.48 acres is considered predevelopment impervious cover.

The currently proposed Leander HS Master Plan Modernization Phase 2 project will expand existing buildings and reconfigure parking spaces and internal site circulation. The total post-development impervious cover for the 90 acres site is 42.89 acres. The total increase from predevelopment is 9.41 acres.

To provide water quality treatment for the added impervious cover, the existing sedimentation/filtration pond will be demolished. A new and larger sedimentation/filtration pond is proposed at roughly the same location as the existing pond.

ATTACHMENT D

Factors Affecting Surface Water Quality

The pollutants are the typical pollutants one might expect from a school site containing parking lots. Types of pollutants anticipated primarily include storm water runoff from the building's roof, dirt and silt from planted areas, vehicle oils, greases, detergents, waxes and brake linings and possibly trash. One might also anticipate fertilizers, herbicides, and pesticides as potential pollutants from the grassed fields and landscaped areas.

There is no discharge from an industrial activity associated with this project.

ATTACHMENT E

Volume and Character of Stormwater

Leander HS Master Plan Modernization Phase 2 project, after its completion, adds a total of 9.41 acres of impervious cover (IC), or 10.45% IC, over the total 90 acres school site, from its predevelopment condition.

The required total suspended solid (TSS) load removal for the given amount of developed land and associated IC to be treated is 8,190 pounds. The proposed new sedimentation/filtration pond is designed to remove 9,113 ponds of TSS. The total water quality capture volume to be provided is 48,612 CF (including the additional 20%). This value was calculated using the spreadsheet provided on the TCEQ website, that is designed to calculate water quality volumes based on the methods outlined in the TCEQ Technical Design Manual, Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices, RG-348, 2005 (TSS Removal and BMP Sizing Calculations, Section 3.3). Calculations for the water quality volumes are attached.

The partial sedimentation/filtration pond, once in place, will comply with the 30 TAC Chapter 213 rule required an 80% reduction in the increase of annual mass loading of TSS. Main types of impervious cover onsite include, roof tops, parking lots, and circulation roads. Pervious areas will consist of grass play fields, grass planted medians with some trees, and areas that are to remain in their existing condition and not disturbed. The weighted Composite Curve Number for existing condition and proposed condition is approximately 68. This value is obtained from the hydrological model used in Williamson County Atlas 14 Floodplain study. The total area draining to the new proposed sedimentation/filtration pond is 15.75 acres, and generates about 191.13 CFS in 100-year storm events.

The design volumes for the partial sedimentation filtration pond are shown on the attached construction plans. Detailed plan sheets for the partial sedimentation filtration pond are attached as well.

Texas Commission on Environmental Quality

TSS Removal Calculations 04-20-2009

Project Name: **LISD-Leander High School Phase 2**

Date Prepared: **1/14/2026**

Additional information is provided for cells with a red triangle in the upper right corner. Place the cursor over the cell.

Text shown in blue indicate location of instructions in the Technical Guidance Manual - RG-348.

Characters shown in red are data entry fields.

Characters shown in black (Bold) are calculated fields. Changes to these fields will remove the equations used in the spreadsheet.

1. The Required Load Reduction for the total project: Calculations from RG-348 Pages 3-27 to 3-30

Page 3-29 Equation 3.3: $L_M = 27.2(A_N \times P)$

where:

$L_{M\ TOTAL\ PROJECT}$ = Required TSS removal resulting from the proposed development = 80% of increased load

A_N = Net increase in impervious area for the project

P = Average annual precipitation, inches

Site Data: Determine Required Load Removal Based on the Entire Project

County =	**Williamson**	
Total project area included in plan * =	**90.00**	acres
Predevelopment impervious area within the limits of the plan * =	**33.48**	acres
Total post-development impervious area within the limits of the plan* =	**42.89**	acres
Total post-development impervious cover fraction * =	**0.48**	
P =	**32**	inches
$L_{M\ TOTAL\ PROJECT}$ =	**8190**	lbs.

*** The values entered in these fields should be for the total project area.**

Number of drainage basins / outfalls areas leaving the plan area = **1**

2. Drainage Basin Parameters (This information should be provided for each basin):

Drainage Basin/Outfall Area No. = 1

Total drainage basin/outfall area =	**15.75**	acres
Predevelopment impervious area within drainage basin/outfall area =	**0.00**	acres
Post-development impervious area within drainage basin/outfall area =	**10.47**	acres
Post-development impervious fraction within drainage basin/outfall area =	**0.66**	
$L_{M\ THIS\ BASIN}$ =	**9113**	lbs.

3. Indicate the proposed BMP Code for this basin.

Proposed BMP =	**Sand Filter**	
Removal efficiency =	**89**	percent

4. Calculate Maximum TSS Load Removed (L_R) for this Drainage Basin by the selected BMP Type.

RG-348 Page 3-33 Equation 3.7: $L_R = (\text{BMP efficiency}) \times P \times (A_I \times 34.6 + A_P \times 0.54)$

where:

A_C = Total On-Site drainage area in the BMP catchment area

A_I = Impervious area proposed in the BMP catchment area

A_P = Pervious area remaining in the BMP catchment area

L_R = TSS Load removed from this catchment area by the proposed BMP

A_C =	**15.75**	acres
A_I =	**10.47**	acres
A_P =	**5.28**	acres
L_R =	**10398**	lbs

5. Calculate Fraction of Annual Runoff to Treat the drainage basin / outfall area

Desired $L_{M\ THIS\ BASIN}$ =	**9113**	lbs.
F =	**0.88**	

6. Calculate Capture Volume required by the BMP Type for this drainage basin / outfall area. Calculations from RG-348 Pages 3-34 to 3-36

Rainfall Depth =	**1.50**	inches
Post Development Runoff Coefficient =	**0.47**	
On-site Water Quality Volume =	**40510**	cubic feet

Calculations from RG-348 Pages 3-36 to 3-37

Off-site area draining to BMP =	**0.00**	acres
Off-site Impervious cover draining to BMP =	**0.00**	acres
Impervious fraction of off-site area =	**0**	
Off-site Runoff Coefficient =	**0.00**	
Off-site Water Quality Volume =	**0**	cubic feet
Storage for Sediment =	**8102**	
Total Capture Volume (required water quality volume(s) x 1.20) =	**48612**	cubic feet

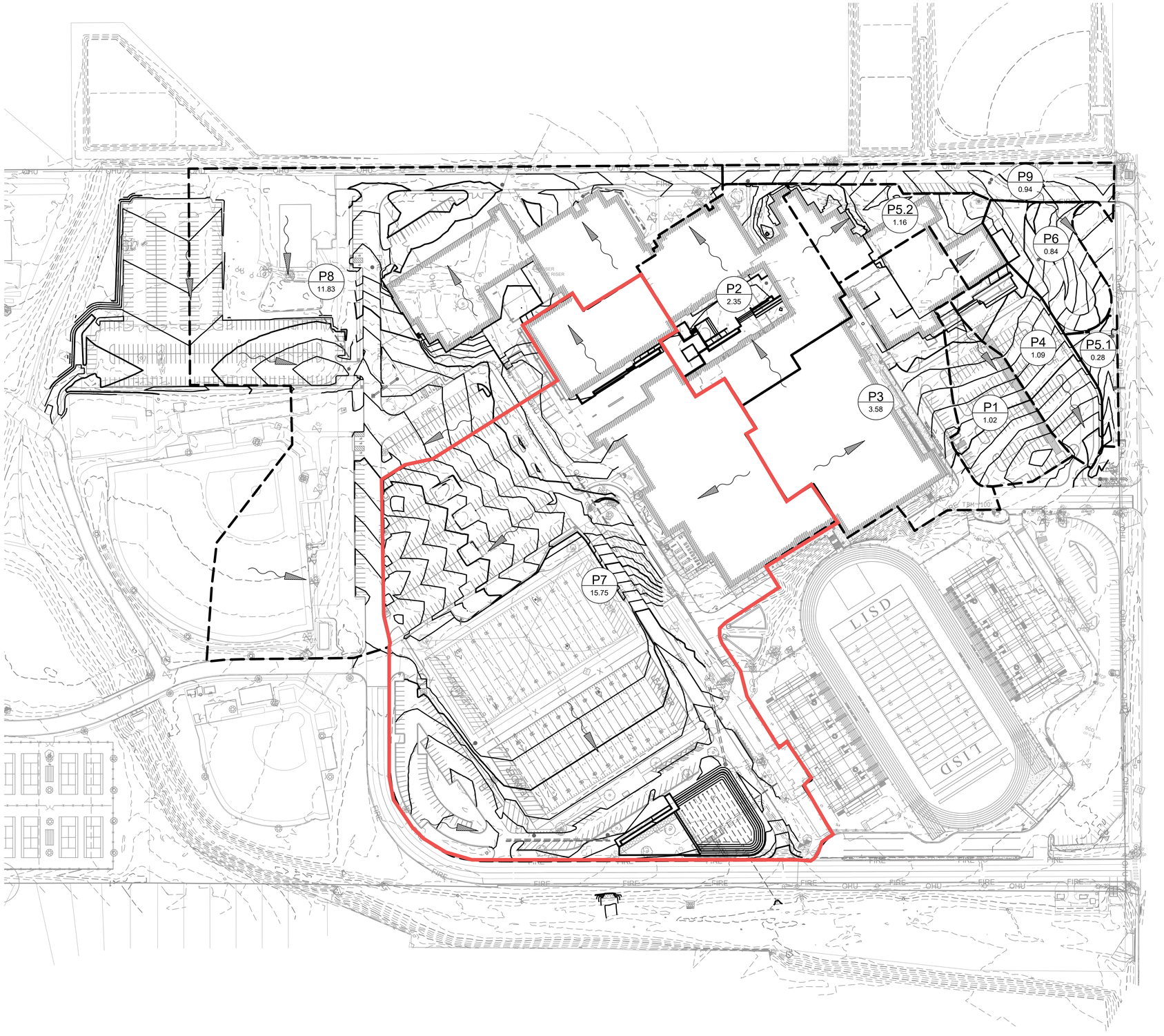
9. Filter area for Sand Filters Designed as Required in RG-348 Pages 3-58 to 3-63

9A. Full Sedimentation and Filtration System

Water Quality Volume for sedimentation basin =	**48612**	cubic feet	
Minimum filter basin area =	**2251**	square feet	
Maximum sedimentation basin area =	**20255**	square feet	**For minimum water depth of 2 feet**
Minimum sedimentation basin area =	**5064**	square feet	**For maximum water depth of 8 feet**

9B. Partial Sedimentation and Filtration System

Water Quality Volume for combined basins =	**48612**	cubic feet	
Minimum filter basin area =	**4051**	square feet	
Maximum sedimentation basin area =	**16204**	square feet	**For minimum water depth of 2 feet**
Minimum sedimentation basin area =	**1013**	square feet	**For maximum water depth of 8 feet**



0 50 100 200
SCALE IN FEET

LEGEND

- DRAINAGE AREA BOUNDARY
- ID / ACRE — DRAINAGE AREA LABEL
- FLOW ARROW

LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
LEANDER TEXAS
SD- -

LEANDER I.S.D.
204 W. SOUTH ST.
LEANDER TEXAS

halff
13620 BRUARWICK DR. SUITE 100
AUSTIN, TEXAS 78729
TEL: (512) 777-4800

REVISION

NO.	DATE	DESCRIPTION

STATE OF TEXAS
ZHIPENG XING, P.E.
127763
LICENSED PROFESSIONAL ENGINEER
1/28/2026

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY ZHIPENG XING, P.E. LIC. # 127763

I CERTIFY THAT THESE DRAWINGS ARE COMPLETE, ACCURATE AND ADEQUATE FOR THEIR INTENDED PURPOSES, INCLUDING CONSTRUCTION, BUT ARE NOT AUTHORIZED FOR CONSTRUCTION UNTIL FORMAL CITY APPROVAL.

PROJECT NO.:	53112.009
ISSUED:	1/28/2026
DRAWN BY:	--
CHECKED BY:	--
SCALE:	1" = 100'

SHEET TITLE
PROPOSED DRAINAGE SUBBASIN PLAN

53 OF 104

811
Know what's **below.**
Call before you dig.

THE INFORMATION SHOWN ON THESE DRAWINGS INDICATING SIZE, TYPE AND LOCATION OF UNDERGROUND, SURFACE, AND AERIAL UTILITIES IS NOT GUARANTEED TO BE EXACT OR COMPLETE. THE CONTRACTOR SHALL CONTACT THE CITY OF LEANDER AREA "ONE CALL" SYSTEM AT 1-800-344-8377 (DIG TESS) 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION FOR EXISTING UTILITY LOCATIONS. THE CONTRACTOR SHALL ALSO BE FULLY RESPONSIBLE FOR FIELD VERIFYING LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES AFFECTED BY CONSTRUCTION FOR THIS PROJECT IN ORDER TO AVOID DAMAGING THOSE UTILITIES, AND SHALL IMMEDIATELY ARRANGE FOR REPAIR AND RESTORATION OF CONTRACTOR-DAMAGED UTILITIES TO THE UTILITY COMPANY'S APPROVAL AT THE EXPENSE OF THE CONTRACTOR.

FILE NAME: A:\53000s\53112\009\PWCADD\Sheets\C-PLAN-DRNG-53112.09.dwg DATE: January 28, 2026, TIME: 9:36 AM, USER: ah3305 AVO: 53112.002

EX. DRAINAGE AREA CALCS															
ID	AREA	IC	TOC	C2	I2	Q2	C10	I10	Q10	C25	I25	Q25	C100	I100	Q100
[-]	[AC]	[%]	[MIN]	[-]	[IN/HR]	[CFS]	[-]	[IN/HR]	[CFS]	[-]	[IN/HR]	[CFS]	[-]	[IN/HR]	[CFS]
E1	3.24	85.12	5.00	0.69	6.14	13.69	0.76	9.19	22.74	0.81	11.30	29.75	0.90	15.00	43.70
E2	1.89	85.37	5.00	0.69	6.14	7.98	0.76	9.19	13.26	0.81	11.30	17.34	0.90	15.00	25.47
E3	3.02	97.61	5.00	0.74	6.14	13.73	0.82	9.19	22.75	0.87	11.30	29.68	0.96	15.00	43.44
E4	0.73	100.00	5.00	0.75	6.14	3.36	0.83	9.19	5.57	0.88	11.30	7.27	0.97	15.00	10.63
E5	0.76	96.07	5.00	0.73	6.14	3.44	0.81	9.19	5.69	0.86	11.30	7.43	0.95	15.00	10.88
E6	0.82	92.73	5.00	0.72	6.14	3.61	0.80	9.19	5.99	0.85	11.30	7.83	0.94	15.00	11.47
E7	13.01	55.63	5.00	0.56	6.14	45.05	0.63	9.19	75.39	0.68	11.30	99.43	0.76	15.00	147.76
E8	15.66	55.58	5.00	0.56	6.14	54.17	0.63	9.19	90.66	0.68	11.30	119.58	0.76	15.00	177.71
E9	1.12	36.57	5.00	0.48	6.14	3.33	0.54	9.19	5.61	0.59	11.30	7.45	0.67	15.00	11.18

PR. DRAINAGE AREA CALCS															
ID	AREA	IC	TOC	C2	I2	Q2	C10	I10	Q10	C25	I25	Q25	C100	I100	Q100
[-]	[AC]	[%]	[MIN]	[-]	[IN/HR]	[CFS]	[-]	[IN/HR]	[CFS]	[-]	[IN/HR]	[CFS]	[-]	[IN/HR]	[CFS]
P1	1.02	93.53	5.00	0.72	6.14	4.55	0.80	9.19	7.54	0.85	11.30	9.84	0.94	15.00	14.42
P2	2.35	87.39	5.00	0.70	6.14	10.08	0.77	9.19	16.73	0.82	11.30	21.88	0.91	15.00	32.12
P3	3.58	96.81	5.00	0.74	6.14	16.19	0.82	9.19	26.83	0.87	11.30	35.01	0.95	15.00	51.25
P4	1.09	90.35	5.00	0.71	6.14	4.76	0.79	9.19	7.89	0.84	11.30	10.31	0.92	15.00	15.12
P5.1	0.28	20.86	5.00	0.42	6.14	0.71	0.47	9.19	1.20	0.52	11.30	1.61	0.59	15.00	2.45
P5.2	1.16	76.08	5.00	0.65	6.14	4.62	0.72	9.19	7.70	0.77	11.30	10.09	0.86	15.00	14.87
P6	0.84	57.31	5.00	0.57	6.14	2.94	0.64	9.19	4.92	0.68	11.30	6.48	0.77	15.00	9.63
P7	15.75	66.43	5.00	0.61	6.14	58.92	0.68	9.19	98.30	0.73	11.30	129.21	0.81	15.00	191.13
P8	11.83	53.42	5.00	0.55	6.14	40.28	0.62	9.19	67.45	0.67	11.30	89.03	0.75	15.00	132.44
P9	0.94	53.91	5.00	0.56	6.14	3.20	0.62	9.19	5.35	0.67	11.30	7.06	0.75	15.00	10.50

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REVISION

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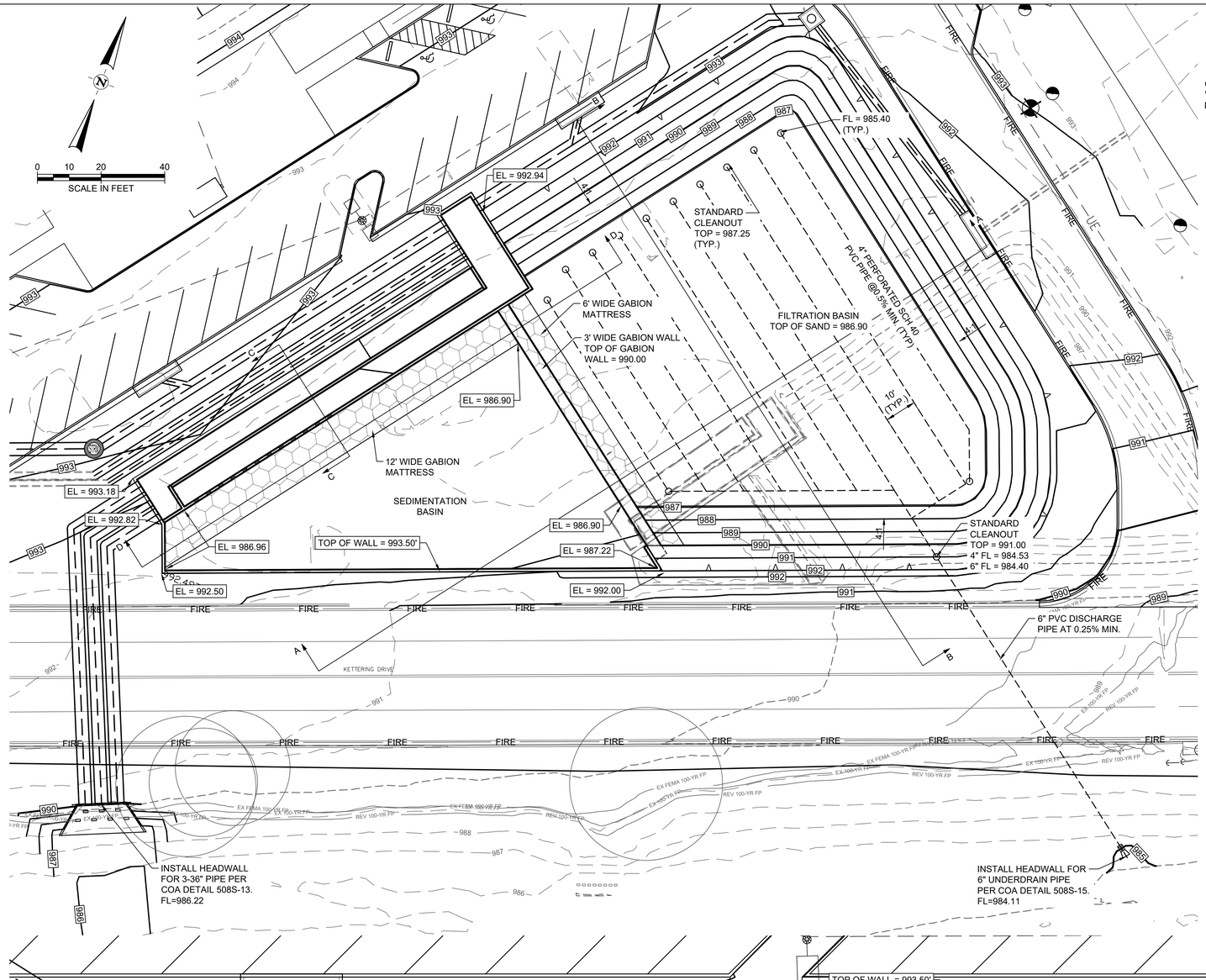
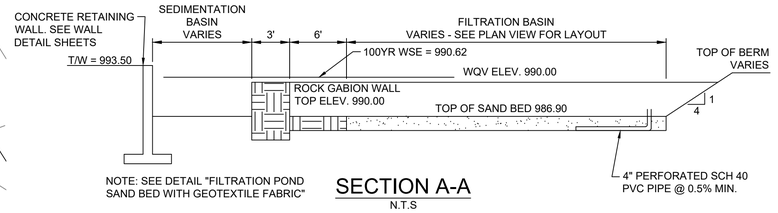
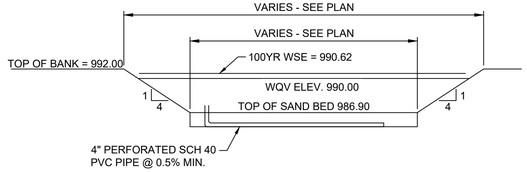
SHEET TITLE
DRAINAGE SUBBASIN CALCULATIONS

FILE NAME: A:\53000s\53112009\PWCADD\Sheets\C-PLAN-DRNG-53112.09.dwg DATE: January 28, 2026, TIME: 9:36 AM, USER: ah3305 AVO: 53112.002

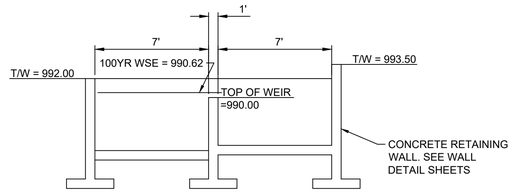




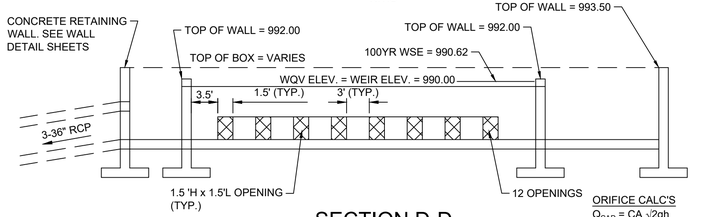
SECTION A-A
N.T.S



SECTION B-B
N.T.S



SECTION C-C
N.T.S

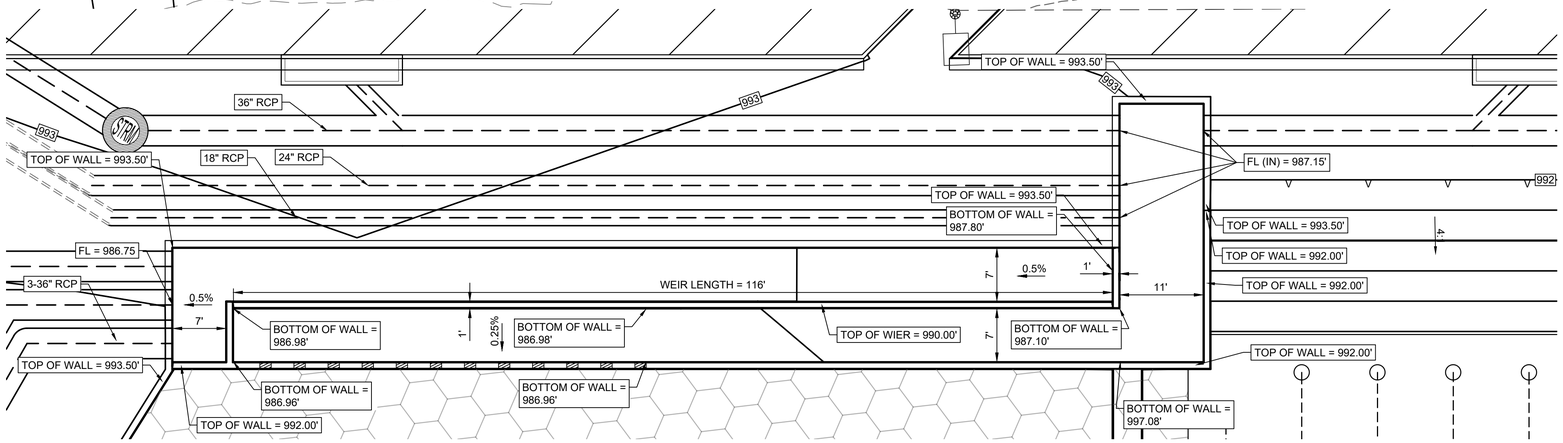


SECTION D-D
N.T.S

ORIFICE CALC'S
$Q_{CAP} = CA\sqrt{2gh}$
C = 0.6
A = 2.25 FT^2
g = 32.2 FT/S^2
h = 2.27 FT
Q_{CAP} = 16.32 cfs EACH
12 = 195.84 cfs TOTAL

REQUIRED 189.64 cfs

NOTE:
1. SEE STRUCTURAL SHEETS FOR WATER QUALITY POND RETAINING WALL DETAILS.



SPLITTER BOX PLAN VIEW
1"=10"

Know what's **below.**
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LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
LEANDER TEXAS
SD- ____

LEANDER I.S.D.
204 W. SOUTH ST.
LEANDER TEXAS

REVISION

NO.	DATE	DESCRIPTION

halff
13620 BRAIRWICK DR. SUITE 100
AUSTIN, TEXAS 78729
TEL: (512) 777-4600

STATE OF TEXAS
ZHIPENG XING, P.E.
127763
LICENSED PROFESSIONAL ENGINEER
1/28/2026

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY ZHIPENG XING, P.E. LIC. # 127763

I CERTIFY THAT THESE DRAWINGS ARE COMPLETE, ACCURATE AND ADEQUATE FOR THEIR INTENDED PURPOSES, INCLUDING CONSTRUCTION, BUT ARE NOT AUTHORIZED FOR CONSTRUCTION UNTIL FORMAL CITY APPROVAL.

PROJECT NO.:	53112.009
ISSUED:	1/28/2026
DRAWN BY:	--
CHECKED BY:	--
SCALE:	1" = 20'

SHEET TITLE
WATER QUALITY POND PLAN AND SECTIONS

58 OF 104

FILE NAME: A:\53000s\53112\009\PWCADD\Sheets\C-PLAN-WQ-POND-53112.09.dwg DATE: January 28, 2026, TIME: 9:38 AM, USER: ah3305 AVO: 53112.002

Texas Commission on Environmental Quality

TSS Removal Calculations 04-20-2009

Project Name: LISD-Leander High School Phase 2
Date Prepared: 1/14/2026

Additional information is provided for cells with a red triangle in the upper right corner. Place the cursor over the cell.
Text shown in blue indicate location of instructions in the Technical Guidance Manual - RG-348.
Characters shown in red are data entry fields.
Characters shown in black (Bold) are calculated fields. Changes to these fields will remove the equations used in the spreadsheet.

1. The Required Load Reduction for the total project: Calculations from RG-348 Pages 3-27 to 3-30

Page 3-29 Equation 3.3: $L_M = 27.2(A_N \times P)$

where:
$L_{M\ TOTAL\ PROJECT}$ = Required TSS removal resulting from the proposed development = 80% of increased load
A_N = Net increase in impervious area for the project
P = Average annual precipitation, inches

Site Data: Determine Required Load Removal Based on the Entire Project

County =	Williamson	
Total project area included in plan * =	90.00	acres
Predevelopment impervious area within the limits of the plan * =	33.48	acres
Total post-development impervious area within the limits of the plan* =	42.89	acres
Total post-development impervious cover fraction * =	0.48	
P =	32	inches
$L_{M\ TOTAL\ PROJECT}$ =	8190	lbs.

* The values entered in these fields should be for the total project area

Number of drainage basins / outfalls areas leaving the plan area = 1

2. Drainage Basin Parameters (This information should be provided for each basin):

Drainage Basin/Outfall Area No. = 1

Total drainage basin/outfall area =	15.75	acres
Predevelopment impervious area within drainage basin/outfall area =	0.00	acres
Post-development impervious area within drainage basin/outfall area =	10.47	acres
Post-development impervious fraction within drainage basin/outfall area =	0.66	
$L_{M\ THIS\ BASIN}$ =	9113	lbs.

3. Indicate the proposed BMP Code for this basin.

Proposed BMP = Sand Filter
Removal efficiency = 89 percent

4. Calculate Maximum TSS Load Removed (L_R) for this Drainage Basin by the selected BMP Type.

RG-348 Page 3-33 Equation 3.7: $L_R = (\text{BMP efficiency}) \times P \times (A_I \times 34.6 + A_P \times 0.54)$

where:
A_C = Total On-Site drainage area in the BMP catchment area
A_I = Impervious area proposed in the BMP catchment area
A_P = Pervious area remaining in the BMP catchment area
L_R = TSS Load removed from this catchment area by the proposed BMP

A_C =	15.75	acres
A_I =	10.47	acres
A_P =	5.28	acres
L_R =	10398	lbs

5. Calculate Fraction of Annual Runoff to Treat the drainage basin / outfall area

Desired $L_{M\ THIS\ BASIN}$ = 9113 lbs.

F = 0.88

6. Calculate Capture Volume required by the BMP Type for this drainage basin / outfall area. Calculations from RG-348 Pages 3-34 to 3-36

Rainfall Depth =	1.50	inches
Post Development Runoff Coefficient =	0.47	
On-site Water Quality Volume =	40510	cubic feet

Calculations from RG-348 Pages 3-36 to 3-37

Off-site area draining to BMP =	0.00	acres
Off-site Impervious cover draining to BMP =	0.00	acres
Impervious fraction of off-site area =	0	
Off-site Runoff Coefficient =	0.00	
Off-site Water Quality Volume =	0	cubic feet
Storage for Sediment =	8102	
Total Capture Volume (required water quality volume(s) x 1.20) =	48612	cubic feet

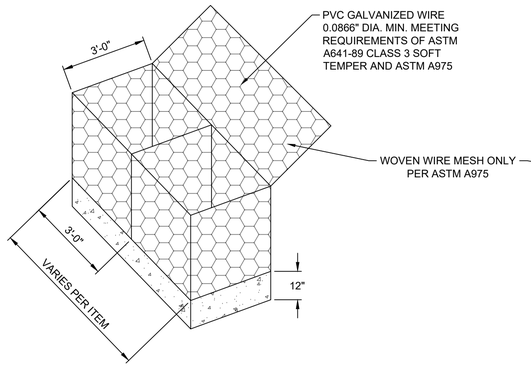
9. Filter area for Sand Filters Designed as Required in RG-348 Pages 3-58 to 3-63

9A. Full Sedimentation and Filtration System

Water Quality Volume for sedimentation basin =	48612	cubic feet
Minimum filter basin area =	2251	square feet
Maximum sedimentation basin area =	20255	square feet For minimum water depth of 2 feet
Minimum sedimentation basin area =	5064	square feet For maximum water depth of 8 feet

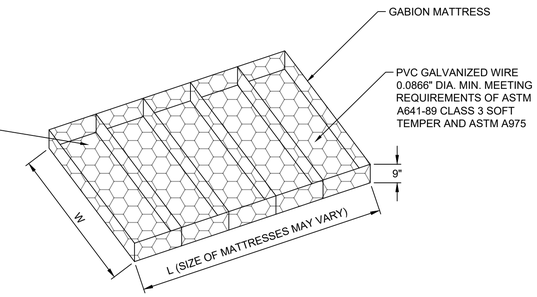
9B. Partial Sedimentation and Filtration System

Water Quality Volume for combined basins =	48612	cubic feet
Minimum filter basin area =	4051	square feet
Maximum sedimentation basin area =	16204	square feet For minimum water depth of 2 feet
Minimum sedimentation basin area =	1013	square feet For maximum water depth of 8 feet



NOTE:
1. 5"-8" STANDARD ROCK SIZE PER COA STANDARD SPECIFICATION 594S

GABION WALL DETAIL
N.T.S



NOTE:
1. 3"-5" STANDARD ROCK SIZE PER COA STANDARD SPECIFICATION 594S

GABION MATTRESS DETAIL
N.T.S

LEANDER HIGH SCHOOL MASTERPLAN
MODERNIZATION PHASE 2
Partial Sedimentation / Filtration Pond Calculation Summary

Drainage Area Data

Drainage Area to Control	15.75	ac.
Drainage Area Impervious Cover (IC)	66.48%	

Water Quality Control Calculations

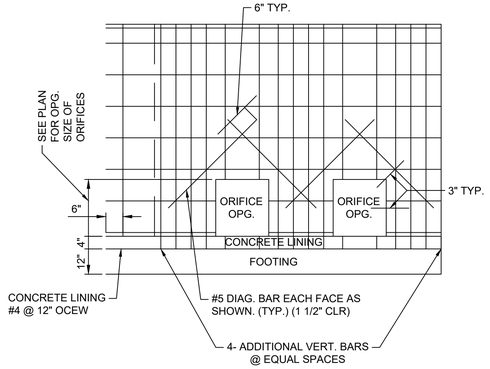
The Water Quality Control is to be PARTIAL Sedimention/Filtration		
Site Area Draining to Pond	15.75	ac
Total Impervious Cover Draining to Pond	10.47	ac
Design peak Flow Rate (Q100)	191.13	cfs

	Required		Provided	
Water Quality Volume	48,612		64,637	cf
Filtration Pond Area	4,051	(min.)	11,366	sf
Sedimentaion Pond Area	16,204	(max.)	7,069	sf
	1,013	(min.)	7,069	sf

Water Quality Elevation	990.00	ft. msl
Elevation of Splitter/Overflow Weir	990.00	ft. msl
Elevation of Top of Gabion Wall	990.00	ft. msl
Length of Splitter Weir Required (h = 1.0 ft) 63.71 ft		
Legnth of Spliiter Weir Provided	116.00	ft
Required Head to Pass the Design Flow	0.63	ft
Sedimentation Pond Freeboard Provided to Pass Design Flow	2.00	ft

Sedimentation/Filtration Pond Volume

Elevation (ft msl)	Area (sf)	Area (acres)	Storage (cf)
986.90	11,827	0.27	-
987.00	18,783	0.43	1,530
988.00	20,341	0.47	21,092
989.00	21,715	0.50	42,120
990.00	23,319	0.54	64,637



ORIFICE OPENING DETAIL
N.T.S

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MODERNIZATION PHASE 2
LEANDER TEXAS
SD-

LEANDER I.S.D.
204 W. SOUTH ST.
LEANDER TEXAS

halff
13620 BRIARWICK DR. SUITE 100
AUSTIN, TEXAS 78729
TEL: (512) 777-4600

REVISION

NO.	DATE	DESCRIPTION

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127763
LICENSED PROFESSIONAL ENGINEER
1/28/2026

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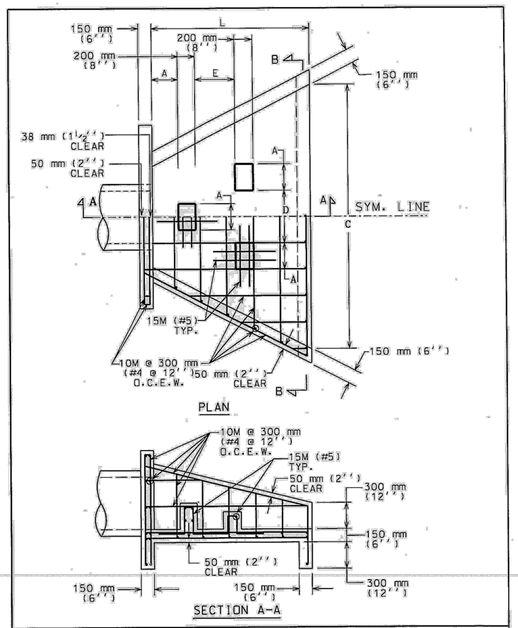
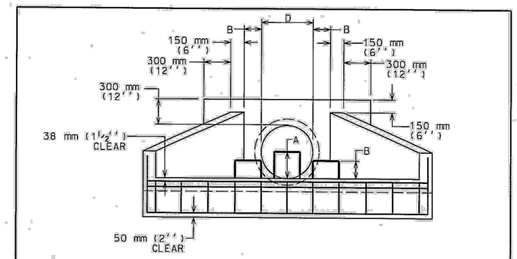
ISSUED:	1/28/2026
DRAWN BY:	--
CHECKED BY:	--
SCALE:	1" = ##'

SHEET TITLE
WATER QUALITY POND CALCULATIONS & DETAILS

FILE NAME: A:\53000s\53112\009\PWCADDSheets\C-PLAN-WQ-POND-53112.09.dwg DATE: January 28, 2026, TIME: 9:38 AM, USER: ah3305 AVO: 53112.002



CITY OF AUSTIN DEPARTMENT OF WATERSHED PROTECTION AND DEVELOPMENT REVIEW	STANDARD HEADWALL AND ENERGY DISSIPATORS	STANDARD NO.
Bill Bardin 8/26/97 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	508S-13 1 OF 2



NOTES:

1. ALL CONCRETE SHALL BE TYPE "C" AS PER SPEC. 403S. CONCRETE FOR STURCTURES.
2. CHAMFER ALL EXTERNAL VISIBLE CORNERS.
3. DISSIPATOR BLOCKS REQUIRED ON DISCHARGE HEADWALLS ONLY.

D	457 mm (18")	533 mm (21")	610 mm (24")	685 mm (27")	765 mm (30")	838 mm (33")	914 mm (36")	1.067 m (42")	1.219 m (48")	1.372 m (54")	1.524 m (60")
A	225 mm (9")	250 mm (10")	300 mm (12")	350 mm (14")	375 mm (15")	400 mm (16")	450 mm (18")	525 mm (21")	600 mm (24")	675 mm (27")	750 mm (30")
B	150 mm (6")	175 mm (7")	200 mm (8")	225 mm (9")	250 mm (10")	275 mm (11")	300 mm (12")	350 mm (14")	400 mm (16")	450 mm (18")	500 mm (20")
C	2.29 m (90")	2.67 m (105")	3.05 m (120")	343 m (135")	3.81 m (150")	4.19 m (165")	4.57 m (180")	5.33 m (210")	6.10 m (240")	6.86 m (270")	7.62 m (300")
L	1.37 m (54")	1.60 m (63")	1.83 m (72")	2.06 m (81")	2.29 m (90")	2.51 m (99")	2.74 m (108")	3.20 m (126")	3.66 m (144")	4.11 m (162")	4.57 m (180")
E	300 mm (12")	350 mm (14")	400 mm (16")	450 mm (18")	500 mm (20")	550 mm (22")	600 mm (24")	700 mm (28")	800m (32")	900 mm (36")	1000 mm (40")

DIMENSIONS IN MILLIMETERS, METERS AND (INCHES).
DISCHARGE VELOCITIES GREATER THAN 3 METERS/SECOND (10 fps) REQUIRE ROCK OUTLET PROTECTION.

CITY OF AUSTIN DEPARTMENT OF WATERSHED PROTECTION AND DEVELOPMENT REVIEW	STANDARD HEADWALL AND ENERGY DISSIPATORS	STANDARD NO.
Bill Bardin 8/26/97 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	508S-13 2 OF 2

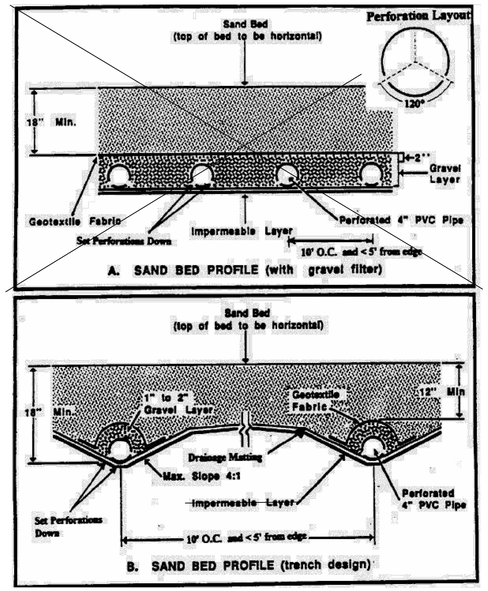
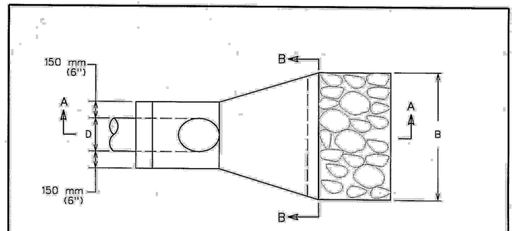
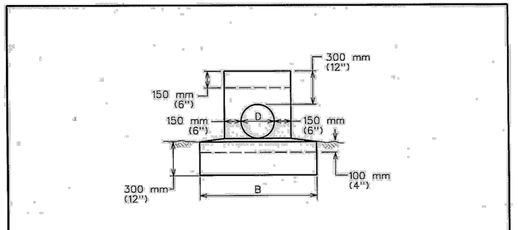


Figure 3-23 Schematic of Sand Bed Profile



CITY OF AUSTIN DEPARTMENT OF WATERSHED PROTECTION AND DEVELOPMENT REVIEW	HEADWALL FOR FILTRATION PONDS W/OUTFALL PIPE 150 mm (6") TO 375 mm (15") DIA.	STANDARD NO.
George E. Rowell 3/15/05 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	508S-15 1 OF 2



A	450 mm (18")	500 mm (20")	550 mm (22")	600 mm (24")	675 mm (27")
B	750 mm (30")	800 mm (32")	850 mm (34")	1.05 m (42")	1.27 m (51")
D	150 mm (6")	200 mm (8")	250 mm (10")	300 mm (12")	375 mm (15")
L	600 mm (24")	600 mm (24")	750 mm (30")	900 mm (36")	1.2 m (48")

CITY OF AUSTIN DEPARTMENT OF WATERSHED PROTECTION AND DEVELOPMENT REVIEW	HEADWALL FOR FILTRATION PONDS W/OUTFALL PIPE 150 mm (6") TO 375 mm (15") DIA.	STANDARD NO.
George E. Rowell 3/15/05 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	508S-15 2 OF 2

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MODERNIZATION PHASE 2
LEANDER TEXAS
SD- -

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halff
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TEL: (512) 777-4800

REVISION		
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LICENSED
PROFESSIONAL ENGINEER
1/28/2026

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ISSUED:	1/28/2026
DRAWN BY:	--
CHECKED BY:	--
SCALE:	NTS

SHEET TITLE

WATER QUALITY DETIALS

FILE NAME: A:\53000s\53112\009\PWCADD\Sheets\C-PLAN-WQ-POND-53112.09.dwg DATE: January 28, 2026, TIME: 9:38 AM, USER: ah3305 AVO: 53112.002

ATTACHMENT J

BMPs for Upgradient Stormwater

An undefined tributary to Blockhouse Creek lies within this 90-acre Leander High School Site. Therefore, upgradient stormwater runs through the site within an existing channel. The stormwater originates in residential areas upstream. This stormwater is treated by an existing wet pond. The stormwater then travels within culverts under Lakeline Boulevard into an earthen drainage channel and is detained immediately upgradient within an existing earthen detention pond. The stormwater then runs into yet another earthen detention pond on the Leander High School site. Therefore, all stormwater from upstream areas is receiving treatment through either the existing wet pond or the two detention facilities.

The improvements associated with this Contributing Zone Plan are essentially “off-line”, so the upgradient waters will travel around the proposed improvements. Temporary BMPs will be installed for all improvements, to reduce the potential amount of sedimentation and erosion entering into the surface waters downstream.

ATTACHMENT K

BMPs for On-site Stormwater

The newly proposed sedimentation/filtration water quality pond will treat pollutants from stormwater runoff from the contributing area, meeting the requirement TSS removal requirements.

Temporary BMPs will be installed for all improvements, to reduce the potential amount of sedimentation and erosion entering into the surface waters downstream.

ATTACHMENT L

BMPs for Surface Streams

Temporary and permanent BMPs are used to prevent pollutants from ultimately entering surface streams.
Temporary BMPs include silt fence, rock berms, and stabilized construction entrances.
The newly proposed sedimentation/ filtration pond, a permanent BMP, is designed to treat storm water runoff prior to it being routed to the existing channel.

ATTACHMENT M

Construction Plans for BMPs

See attachment E for sedimentation/filtration pond construction plans.

ATTACHMENT N

Inspection, Maintenance, Repair and Retrofit

Project Name: Leander HS Master Plan Modernization Phase 2

Project Address: 3301 S Bagdad Rd, Leander, TX 78641

BMP System Installed: **Partial Sedimentation/Filtration Pond**

Inspection:

BMP facilities must be inspected at least twice a year (once during or immediately following wet weather) to evaluate facility operation. During each inspection, erosion areas inside and downstream of the BMP must be identified and repaired or revegetated immediately. With each inspection, any damage to the structural elements of the system (pipes, concrete drainage structures, retaining walls, etc.) must be identified and repaired immediately. Cracks, voids, and undermining should be patched/filled immediately to prevent additional structural damage. Trees and root systems should be removed to prevent growth in cracks and joints that can cause structural damage.

Sediment Removal:

Remove sediment from the inlet structure and sedimentation chamber when sediment build-up fills the 20% volume allocated for sediment accumulation, or when the proper functioning of inlet and outlet structures is impaired. Sediment should be cleared from the structure at least every year, and from the sedimentation basin at least every five years. Silt accumulated on the surface of the filter media should be removed when it reaches a depth of 0.5 inches or the drawdown time has increased to more than 48-hours.

Media Replacement:

More extensive maintenance of the filter media is required when the drawdown time begins to exceed the target time of 48-hours. Non-routine or corrective maintenance should be performed when the drawdown time exceeds 72-hours. When this occurs, the upper layer of the geotechnical material and the gravel ballast should be removed and replaced with new materials meeting the original specifications. Any discolored sand should be removed and replaced. In filters that have been regularly maintained, the removal and replacement of discolored sand should be limited to the top 2 to 3 inches.

Debris and Litter Removal

Debris and litter will accumulate near the sedimentation basin outlet device and should be removed during regular mowing operations and inspections. Particular attention should be placed to floating debris that can eventually clog the control device or riser.

Filter Underdrain

Clean underdrain piping network to remove any sediment buildup every 2 years, or as needed to maintain design drawdown time.

Mowing

Grass areas in and around basins should be mowed at least twice annually to limit vegetation height to 18-inches. More frequently mowing to maintain aesthetic appeal may be necessary in landscaped areas.

Responsible Party:	**Leander Independent School District**
Mailing Address:	**P.O. Box 218**
City, State, Zip:	**Leander, TX 78646**
Telephone:	**512-570-0000**
Print Name of Responsible Party:	**Jeremy Trimble, Chief Operations Officer**
	Leander Independent School District

Signature: _____

Date: 1/23/26

ATTACHMENT O

Pilot-Scale Field Testing Plan

Not applicable. The TCEQ Technical Design Manual was used to design the permanent BMPs (sedimentation/filtration pond) for this site.

ATTACHMENT P

Measures for Minimizing Surface Stream Contamination

Measures used to minimize surface stream contamination during the construction of Leander High School building expansion Improvements include silt fence, inlet protection, and stabilized construction entrances. These temporary BMPs will be used judiciously to maintain high water quality standards of the surface runoff during construction and endeavor to prevent erosion of soils. They will remain in place until contributing disturbed areas are restored.

Stormwater Pollution Prevention Plan

for:

Leander HS Master Plan Modernization Phase 2
3301 S. Bagdad Road
Leander, TX 78641

Operator(s):

Leander Independent School District
Jeremy Trimble
301B S W Dr
Leander, TX 78641
512-570-0415
jeremy.trimble@leanderisd.org

SWPPP Contact(s):

American Constructors
Justin Huling
11900 W Parmer Ln #200
Cedar Park, TX 78613
512-328-2026
jhuling@americanconstructors.com

SWPPP Preparation Date:

01 /16 / 2026

Estimated Project Dates:

Project Start Date: **05/15/2026**
Project Completion Date: **08/31/2028**

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Appendix E – Inspection Reports
Appendix F – SWPPP Modification Log
Appendix G – Grading and Stabilization Activities Log

SECTION 1: SITE EVALUATION, ASSESSMENT, AND PLANNING

1.1 Project/Site Information

Project/Site Name: Leander HS Master Plan Modernization Phase 2
Project Street/Location: 3301 S Bagdad Rd
City: Leander State: TX ZIP Code: 78641
County or Similar Subdivision: Williamson

Latitude/Longitude (Use **one** of three possible formats, and specify method)

Latitude:	Longitude:
1. 30 º 32 ' 09.9 " N (degrees, minutes, seconds)	1. 91 º 51 ' 07.3 " W (degrees, minutes, seconds)

Method for determining latitude/longitude:
☐ USGS topographic map (specify scale: _____) ☐ EPA Web site ☒ GPS
☐ Other (please specify): _____

Is the project located in Indian country? ☐ Yes ☒ No
If yes, name of Reservation, or if not part of a Reservation, indicate "not applicable."_____

_____

Is this project considered a federal facility? ☐ Yes ☒ No

NPDES project or permit tracking number*:_____
**(This is the unique identifying number assigned to your project by your permitting authority after you have applied for coverage under the appropriate National Pollutant Discharge Elimination System (NPDES) construction general permit.)*

1.2 Contact Information/Responsible Parties

Operator(s):
Leander Independent School District
Jeremy Trimble
301B S W Dr
Leander, TX 78641
512-570-0415
jeremy.trimble@leanderisd.org

Project Manager(s) or Site Supervisor(s):
American Constructors
Justin Huling

11900 W Parmer Ln #200
Cedar Park, TX 78613
512-328-2026
jhuling@americanconstructors.com

SWPPP Contact(s):

American Constructors
Justin Huling
11900 W Parmer Ln #200
Cedar Park, TX 78613
512-328-2026
jhuling@americanconstructors.com

This SWPPP was Prepared by:

Halff Associates
Zhipeng Xing
5113 Southwest Pkwy #140
Austin, TX 78735
512-777-4641
zxing@halff.com

Emergency 24-Hour Contact:

Leander Independent School District
Jeremy Trimble
512-570-0415

1.3 Nature and Sequence of Construction Activity

The construction of this project includes building expansion, parking lot construction and reconfiguration, practice field reconstruction, utility relocation, new water quality pond construction and existing detention pond expansion.

All sedimentation & erosion control protection devices and tree protection will be installed first. All wet and dry utility lines will then be installed prior to site clearing, grading, and building pad preparation. New water quality pond and detention pond expansion will be constructed next. Afterwards, sidewalks and pavements, including drive aisles, parking stalls, fire lanes, will be constructed, followed by practice field and band pad construction. Building construction will happen next. All disturbed area will be restored, and temporary erosion control measured will be removed prior to final acceptance.

What is the function of the construction activity?

☐ Residential ☐ Commercial ☐ Industrial ☐ Road Construction ☐ Linear Utility

☒ Other (please specify): School

Estimated Project Start Date: 05/15/2026

Estimated Project Completion Date: 08/31/2028

1.4 Soils, Slopes, Vegetation, and Current Drainage Patterns

Soil type(s):

This site is naturally underlain with the soils/rocks of the Keys Valley Marl (Kkv) and Comanche Peak Limestone (Kc) formations (based on review of Geologic Atlas of Texas, Austin Sheet).

Boring Location Soils from the Geotech report:

Tan clayey sand with gravel (SC), medium dense, dark brown clayey gravel with sand (GC), stiff to very stiff, dark brown and tan fat clay (CH).

Slopes:

Most of the topography in the project is relatively flat, with slopes of 0-5 percent. Steeper slopes occurs at detention pond and water quality pond earthen berms (at 4:1 slope).

Drainage Patterns:

Eastern side of the school site generally drains eastwards and into the existing dual 7’x3’ box culvert along Bagdad road, which eventually discharges into Blockhouse Creek Tributary 3; the middle portion of the school site drains west and south and gets collected with storm drain system and into the new water quality pond at the south side of the school, before discharging

into Blockhouse Creek Tributary 3 along the south property line; the western portion of the school site drains towards Blockhouse Creek Tributary 3 that flows through across the western portion of the school site.

Vegetation: Urban landscaping and grasses.

Other:
Reference: Raba Kistner geotechnical report.

1.5 Construction Site Estimates

The following are estimates of the construction site.

Total project area:	90 acres
Construction site area to be disturbed:	36.30 acres
Percentage impervious area before construction:	42.92 %
CN value before construction:	68
Percentage impervious area after construction:	47.65 %
CN after construction	68

1.6 Receiving Waters

Description of receiving waters: Blockhouse Creek Tributary 3

Description of storm sewer systems:
Onsite storm drain collector system (inlets, pipes, manholes), existing storm drain system along west side of Bagdad Road.

Description of impaired waters or waters subject to TMDLs:
No impaired waters/TMDLs.

Other: None.

1.7 Site Features and Sensitive Areas to be Protected

Blockhouse Creek Tributary 3 flows through the western portion of the site and then flows along the southern property line eastwards. There is an existing inline detention pond on the western portion of the site and the project is proposing to expand it. Rock berm will be placed downstream of the detention pond to control potential sediments from pond expansion

construction. New outfalls from the new water quality pond will be constructed in Tributary 3, with rock berms for erosion protection as well.

No other sensitive areas are within project LOC.

1.8 Potential Sources of Pollution

Potential sources of sediment to stormwater runoff:

Sediment in runoff: sheet flow over disturbed soil during construction. Loose dirt from fill or spoils.

Sediment tracking: construction vehicles entering and exiting.

Potential pollutants and sources, other than sediment, to stormwater runoff:

Stormwater Pollutants	Location
Dust	Emissions from demolition, spoils, excavation, grading and wind
Demolition waste	Demolition of concrete, pavements, and utilities
Solid Waste	Trash, debris, material storage
Concrete	Placement for parking lot, driveways, sidewalks, retaining walls, curb ramps
Fuel	On-site storage totes (if present), generators, and other equipment
Joint sealant and solvent	Storm drain pipe joint remediation

1.9 Endangered Species Certification

Are endangered or threatened species and critical habitats on or near the project area?

☐ Yes ☒ No

Describe how this determination was made:

Halff conducted threatened and endangered species review for the project site based on USFWS IPaC tool and field investigation and determined that proposed project has no potential for take of any current federally listed threatened or engendered species nor designated critical habitat.

1.10 Historic Preservation

Are there any historic sites on or near the construction site?

☐ Yes ☒ No

Describe how this determination was made:

Halff conducted cultural resources background review for the project site, based on historic maps, TxDOT PALM, and Texas Archeological Sites Atlas, and concluded that there is an overall low potential for buried deposits and low potential for direct effects to above ground historic structures. Texas Historical Commission has review the CRB and concurred no archeological survey of the project area is needed.

1.11 Maps

See attached location map (Appendix A).

SECTION 2: EROSION AND SEDIMENT CONTROL BMPS

2.1 Minimize Disturbed Area and Protect Natural Features and Soil

The construction plans delineate and restrict the Contractor to only working within the designated Limits of Construction (LOC) to minimize the disturbance to the area and to existing vegetation and trees. Existing trees to remain will be protected within the LOC, and existing grass vegetation will be restored at the end of the project.

2.2 Phase Construction Activity

The construction of this project includes building expansion, parking lot construction and reconfiguration, practice field reconstruction, utility relocation, new water quality pond construction and existing detention pond expansion.

All sedimentation & erosion control protection devices and tree protection will be installed first. All wet and dry utility lines will then be installed prior to site clearing, grading, and building pad preparation. New water quality pond and detention pond expansion will be constructed next. Afterwards, sidewalks and pavements, including drive aisles, parking stalls, fire lanes, will be constructed, followed by practice field and band pad construction. Building construction will happen next. All disturbed area will be restored, and temporary erosion control measured will be removed prior to final acceptance.

The project is expected to start in May 2026 and end in December 2028. Temporary BMPs include silt fence, tree protection, inlet protection, rock berm, stabilized construction entrance, and concrete washout, and shall be installed per construction plan, as shown in Appendix B.

Grading the stabilization activities will be documented in Appendix G.

2.3 Control Stormwater Flowing onto and through the Project

Silf fence will be installed along the LOC to prevent sediments from leaving the LOC.

Storm drain inlet filters will be installed at all curb inlets and area inlets to capture sediments.

Rock berms will be installed at pond outfalls and downstream of pond outlet structure to capture sediments.

2.4 Stabilize Soils

Soils disturbed by construction activities will be stabilized by addition of topsoil/seeding or by Bermuda sod. Until re-vegetation, base soil surfaces steeper than 5:1 will be covered with a soil retention blanket and temporarily seeded to hold the slopes.

2.5 Protect Slopes

Slopes will be protected by combined strategies of retaining walls along drive aisle cuts into steeper grades and revegetation on pond side slopes.

2.6 Protect Storm Drain Inlets

Storm drain curb inlets and area inlets will be protected during construction with the installation of inlet filters.

2.7 Establish Perimeter Controls and Sediment Barriers

The construction drawings restrict construction to be performed within the delineated LOC. The perimeter of the staging area will be defined by security fencing and silt fencing. Perimeter controls in the form of silt fencing and safety fencing will be installed to established the perimeter construction limits and to intercept sediments from leaving the LOC.

2.8 Retain Sediment On-Site

Sediments will be retained on site using a combination of strategies, including pavement curbs, inlet filters, silt fencing, rock berm, and stabilized construction entrance.

2.9 Establish Stabilized Construction Exits

Stabilization construction entrance will be installed at the east parking lot entrance to the staging area, at the south drive aisle next to the new water quality pond, and next to the detention pond expansion area.

2.10 Additional BMPs

Excess concrete and concrete truck washout created during on-site concrete placement (e.g. sidewalks, curb ramps, curb and gutter, retaining walls, parking lot) will be directed to the concrete wash-out basin.

SECTION 3: GOOD HOUSEKEEPING BMPS

3.1 Material Handling and Waste Management

Litter Controls:	
Good Housekeeping Activity	***Location(s) Onsite***
Collect litter daily to avoid dispersal of trash, construction debris, and construction materials	*Construction, Staging, and Spoils Areas*
Close waste container lids at the end of the workday. For containers that do not have lids, provide a cover to minimize exposure of wastes to precipitation and the discharge of pollutants.	*Construction Area and Staging and Spoils Area*
Construction Debris Controls:	
Good Housekeeping Activity	***Location(s) Onsite***
Contractor will properly manage demolition waste and spoils stored onsite.	*Staging and Spoils Area.*
Construction Material Controls:	
Good Housekeeping Activity	***Location(s) Onsite***
Stockpiles (fill, spoils, etc.) will be located at designated staging areas.	*Staging and Spoils Area*
No road base, fill, spoils, concrete, debris, wash out water, oil or chemical products will be allowed to enter or be placed where it may be washed by rainfall into inlets, channels, vegetated ditches, or	*Staging and Spoils Area*
Store small quantity containers inside Conex storage units.	*Staging and Spoils Area*
Close construction materials waste container lids at the end of the workday. For containers that do not have lids, provide a cover to minimize exposure of wastes	*Construction Area and Staging and Spoils Area*
No fuel storage is allowed onsite.	*N/A*

3.2 Establish Proper Building Material Staging Areas

No spoils storage allowed. Temporary material storage will occur in the staging area in the front parking lot and north parking lot area as shown on the Erosion & Sedimentation Control Plan (see Appendix B).

3.3 Designate Washout Areas

The detail for the concrete washout is shown on the Erosion & Sedimentation Control Plan (see Appendix B). The washout should have a minimum length and width of 10 feet and should be sized large enough to contain the amount of concrete washing for the project. The concrete wash- out should be constructed, maintained, and operated in accordance with USEPA guidance.

3.4 Establish Proper Equipment/Vehicle Fueling and Maintenance Practices

No fuel storage is allowed on the project.

3.5 Control Equipment/Vehicle Washing

Vehicle tire washing – when necessary to prevent tracking, vehicles wheels will be cleaned to remove sediment prior to entrance onto public roadway. When washing is required, it will be done on an area stabilized with crushed stone and drains into and approved trap or sediment basin. Sediment will be prevented from entering storm drains, ditches or watercourses using approved methods.

3.6 Spill Prevention and Control Plan

Contractor will immediately contain and clean up sills and leaks and maintain an abundant and
accessible supply of sorbent materials. Contractor will prepare a spill prevention and control plan for the construction materials Contractor proposes to incorporate with the Project.

3.7 Any Additional BMPs

NA.

3.8 Allowable Non-Stormwater Discharge Management

Vehicles will not be washed on the project site.
Water to control dust will come from a City potable water source.
Potable water used to flush water and wastewater pipe will be disposed in accordance with the Contractor's flushing plan.
Groundwater from the excavations (if encountered) will be filtered at ground surface then discharged to the storm drain system.

SECTION 4: SELECTING POST-CONSTRUCTION BMPs

Post-construction BMPs include permanent re-grassing of the disturbed soil surfaces.

A new sedimentation/filtration pond is providing TSS removal as required per TCEQ for added post-development impervious cover for the site.

SECTION 5: INSPECTIONS

5.1 Inspections

1. Inspection Personnel:

Name(s) of Inspectors	Qualifications

Contractor to provide inspector list. The inspector must be a Certified Erosion, Sediment, & Stormwater Inspector (CESSWI), a Certified Professional in Erosion and Sediment Control (CPESC), or a Certified Inspector of Sediment and Erosion Control (CISEC).

2. Inspection Schedule and Procedures:

Inspection Frequency: Once every 7 calendar days

General Procedures:

During each inspection, the following areas of the construction site will be inspected:

- All stormwater controls (including sediment and erosion control measures identified in the SWPPP) to ensure that they are installed properly, appear to be operational, and minimizing pollutants in discharge, as intended.
- Identify locations on the construction site where new or modified stormwater controls are necessary.
- Check for signs of visible erosion and sedimentation that can be attributed to the points of discharge where discharges leave the construction site or discharge into any surface water in the state flowing within or adjacent to the construction site.
- Identify any incidents of noncompliance observed during the inspection.
- Locations where vehicles enter or exit the site for evidence of off-site sediment tracking.

Describe the inspection schedules and procedures you have developed for your site (include frequency of inspections for each BMP or group of BMPs, indicate when you will inspect, e.g., before/during/and after rain events, spot inspections):

Inspection Report Form:

An Inspection Report Form has been prepared in accordance with the requirements of the TXR15 permit. A copy of the Inspection Report Form that will be used during construction of this project is included in Appendix E.

5.2 Corrective Action Log

Corrective actions are actions taken to modify, replace, or reinstall any stormwater control used at the site; clean up and dispose of spills, releases, or other deposits; or remedy a permit violation. For any of the following conditions, a new or modified control should be installed **no later than 7 calendar days** from the discovery:

- A required stormwater BMP was never installed or was installed incorrectly, or not in accordance with the corresponding TCEQ permit requirement;
- A stormwater BMP needs to be repaired or replaced;
- A stormwater BMP is not effective enough for the discharge to meet applicable water quality standards;
- A prohibited discharge is occurring or has occurred; or
- TCEQ or MS4 Operator requires corrective action as a result of permit violations found during an inspection.

Operators should immediately take all reasonable steps to minimize or prevent the discharge of pollutants until a permanent solution is installed and made operational, including cleaning up any contaminated areas so that the material will not discharge in subsequent storm events.

Corrective actions taken based upon inspection findings will be documented within the inspection reports.

SECTION 6: RECORDKEEPING AND TRAINING

6.1 Recordkeeping

Retain copies of the SWP3, Notice of Intent, Notice of Termination, logs, and all reports required by the TXR15 permit, for a **period of at least 3 years** from the date that the site reached final stabilized status.

6.2 Log of Changes to the SWPPP

A copy of the SWPPP Modification Log that will be used during construction of this project is included in Appendix F.

SECTION 7: FINAL STABILIZATION

All soil disturbing activities at the site must be completed and a uniform perennial vegetative cover with a density of at least 70% of the native background vegetative cover for the area has been established on all unpaved areas and areas not covered by permanent structures, or equivalent permanent stabilization measures (such as riprap or gabions).

SECTION 8: CERTIFICATION AND NOTIFICATION

Instructions:

- The SWPPP should be signed and certified by the construction operator(s). Attach a copy of the NOI and permit authorization letter received from EPA or the state in Appendix D.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: _____ Title: _____

Signature: _____ Date: _____

SWPPP APPENDICES

Attach the following documentation to the SWPPP:

Appendix A – General Location Map

Appendix B – Erosion & Sedimentation Control Plans

Appendix C – Construction General Permit

Appendix D – NOI and Acknowledgement Letter from EPA/State

Appendix E – Inspection Reports

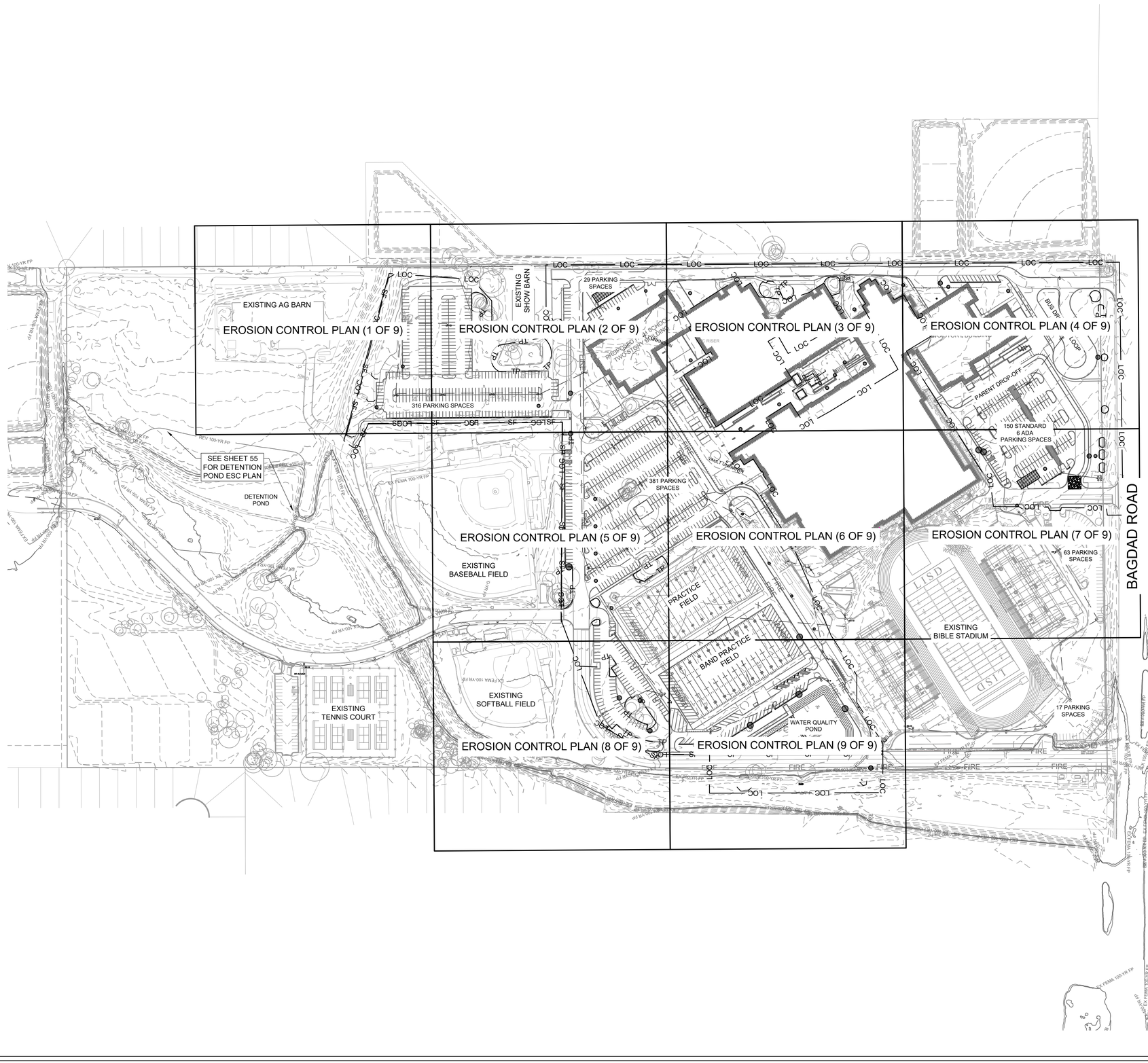
Appendix F – SWPPP Modification Log

Appendix G – Grading and Stabilization Activities Log

Appendix A

PROJECT SITE
Bagdad Road
New Hope Drive
Osage Dr
N Lakeline Blvd
Granite Creek Dr
Blueline Dr
Byfield Dr
Apollo Ln
Parker Pl
Keegans Way
Heritage Park Dr
County Road 278
Hawk Dr
Romeo Dr
Founder Dr
Baker's Way
Mathias St
Amy Lynn Ln
Cougar Country Dr
County Road 276
Tremont Dr
Tall Chief
Cross Draw
Prosperity
Columbine Ave

Appendix B - Sedimentation & Erosion Control Plans



0 70 140 280
SCALE IN FEET

LEGEND

- LOC — LIMITS OF CONSTRUCTION
- SF — SF — SILT FENCE
- TP — TP — TREE PROTECTION FENCE
- INLET PROTECTION

NOTES:

1. SEE EROSION CONTROL NOTES ON SHEET 3.
2. THE CITY OF LEANDER ENVIRONMENTAL INSPECTOR HAS THE AUTHORITY TO ADD OR MODIFY EROSION/SEDIMENT CONTROLS ON SITE THROUGHOUT THE DURATION OF THE PROJECT.
3. INLET WITHIN LIMITS OF CONSTRUCTION SHALL HAVE INLET PROTECTION WHETHER SHOWN HEREON OR NOT.
4. LIMITS OF CONSTRUCTION SHALL BE CLOCKED OFF WITH TEMPORARY CHAIN LINK FENCING.

Know what's **below.**
Call before you dig.

THE INFORMATION SHOWN ON THESE DRAWINGS INDICATING SIZE, TYPE AND LOCATION OF UNDERGROUND, SURFACE, AND AERIAL UTILITIES IS NOT GUARANTEED TO BE EXACT OR COMPLETE. THE CONTRACTOR SHALL CONTACT THE CITY OF LEANDER AREA "ONE CALL" SYSTEM AT 1-800-344-8377 (DIG TESS) 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION FOR EXISTING UTILITY LOCATIONS. THE CONTRACTOR SHALL ALSO BE FULLY RESPONSIBLE FOR FIELD VERIFYING LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES AFFECTED BY CONSTRUCTION FOR THIS PROJECT IN ORDER TO AVOID DAMAGING THOSE UTILITIES, AND SHALL IMMEDIATELY ARRANGE FOR REPAIR AND RESTORATION OF CONTRACTOR-DAMAGED UTILITIES TO THE UTILITY COMPANY'S APPROVAL AT THE EXPENSE OF THE CONTRACTOR.

LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
LEANDER TEXAS
SD- -

LEANDER I.S.D.
204 W. SOUTH ST.
LEANDER TEXAS

halff
13620 BRUARWICK DR., SUITE 100
AUSTIN, TEXAS 78729
TEL: (512) 777-4800

REVISION		
NO.	DATE	DESCRIPTION

STATE OF TEXAS
ZHIPENG XING, P.E.
127763
LICENSED
PROFESSIONAL ENGINEER
1/28/2026

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY ZHIPENG XING, P.E. LIC. # 127763

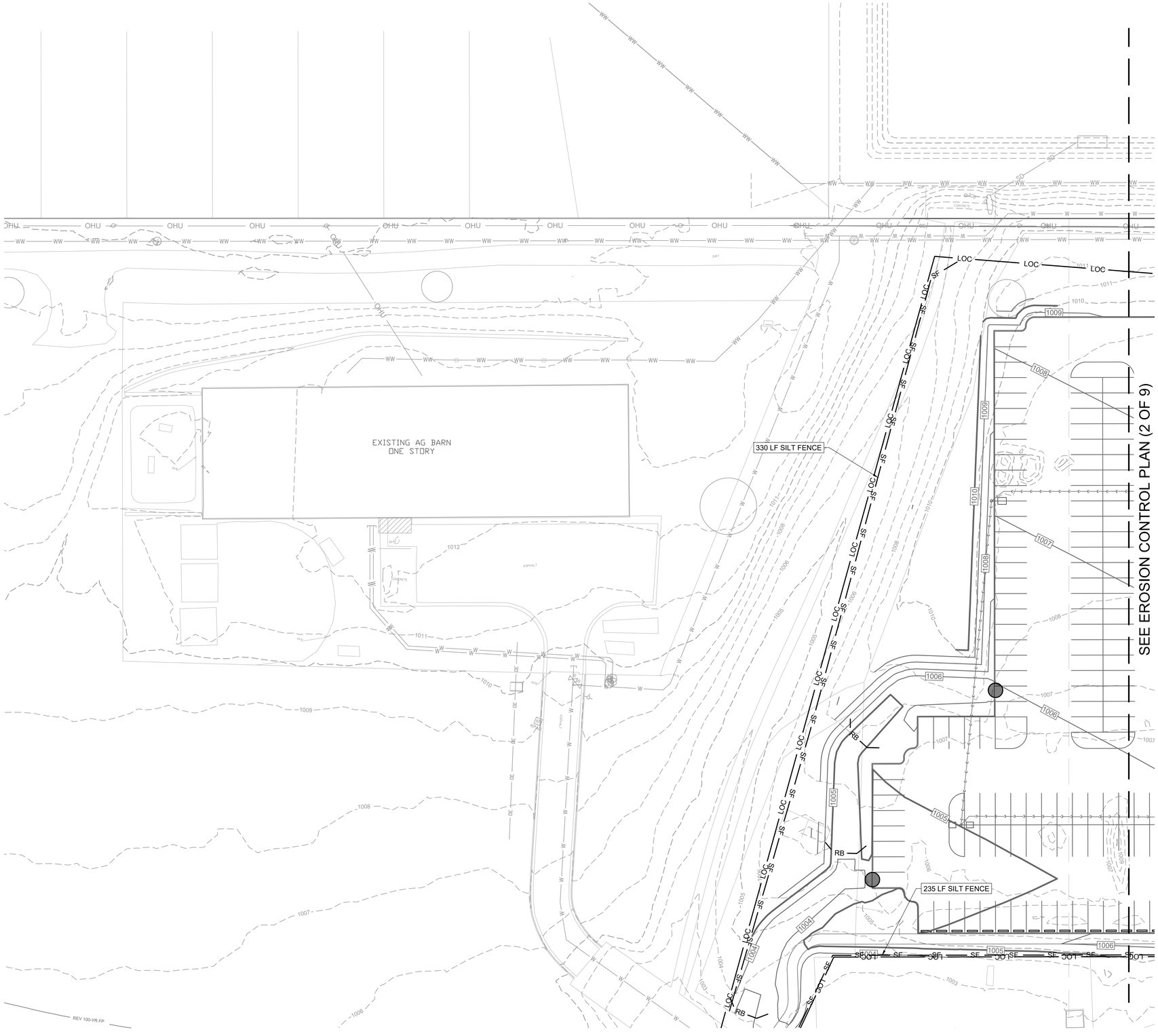
I CERTIFY THAT THESE DRAWINGS ARE COMPLETE, ACCURATE AND ADEQUATE FOR THEIR INTENDED PURPOSES, INCLUDING CONSTRUCTION, BUT ARE NOT AUTHORIZED FOR CONSTRUCTION UNTIL FORMAL CITY APPROVAL.

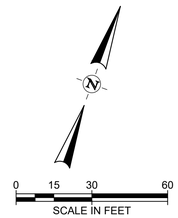
PROJECT NO.:	53112.009
ISSUED:	1/28/2026
DRAWN BY:	--
CHECKED BY:	--
SCALE:	1" = 140'

SHEET TITLE
OVERALL EROSION CONTROL PLAN

16 OF 104

FILE NAME: A:\53000s\53112\009\PW\CADD\Sheets\C-OVER-ERCN-53112.09.dwg DATE: January 28, 2026, TIME: 9:27 AM, USER: ak3305 AVO: 53112.002





LEGEND

- LOC — LIMITS OF CONSTRUCTION
- SF — SF — SILT FENCE
- TP — TP — TREE PROTECTION FENCE
- INLET PROTECTION
- WM — PROPOSED WATER
- WW — PROPOSED WASTEWATER
- SD — SD — PROPOSED STORM
- W — W — EXISTING WATER
- WW — WW — EXISTING WASTEWATER
- SD — SD — EXISTING STORM
- ELECTRIC & COMMUNICATION
- EXISTING GAS

Know what's **below.**
Call before you dig.

THE INFORMATION SHOWN ON THESE DRAWINGS INDICATING SIZE, TYPE AND LOCATION OF UNDERGROUND, SURFACE, AND AERIAL UTILITIES IS NOT GUARANTEED TO BE EXACT OR COMPLETE. THE CONTRACTOR SHALL CONTACT THE CITY OF LEANDER AREA "ONE CALL" SYSTEM AT 1-800-344-8377 (DIG TESS) 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION FOR EXISTING UTILITY LOCATIONS. THE CONTRACTOR SHALL ALSO BE FULLY RESPONSIBLE FOR FIELD VERIFYING LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES AFFECTED BY CONSTRUCTION FOR THIS PROJECT IN ORDER TO AVOID DAMAGING THOSE UTILITIES, AND SHALL IMMEDIATELY ARRANGE FOR REPAIR AND RESTORATION OF CONTRACTOR-DAMAGED UTILITIES TO THE UTILITY COMPANY'S APPROVAL AT THE EXPENSE OF THE CONTRACTOR.

LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
LEANDER TEXAS
SD- - -

LEANDER I.S.D.
204 W. SOUTH ST.
LEANDER TEXAS

halff
13620 BRIARWICK DR. SUITE 100
AUSTIN, TEXAS 78729
TEL: (512) 777-4800

REVISION NO.	DATE	DESCRIPTION

STATE OF TEXAS
ZHIPENG XING, P.E.
127763
LICENSED
PROFESSIONAL ENGINEER
1/28/2026

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY ZHIPENG XING, P.E. LIC. # 127763

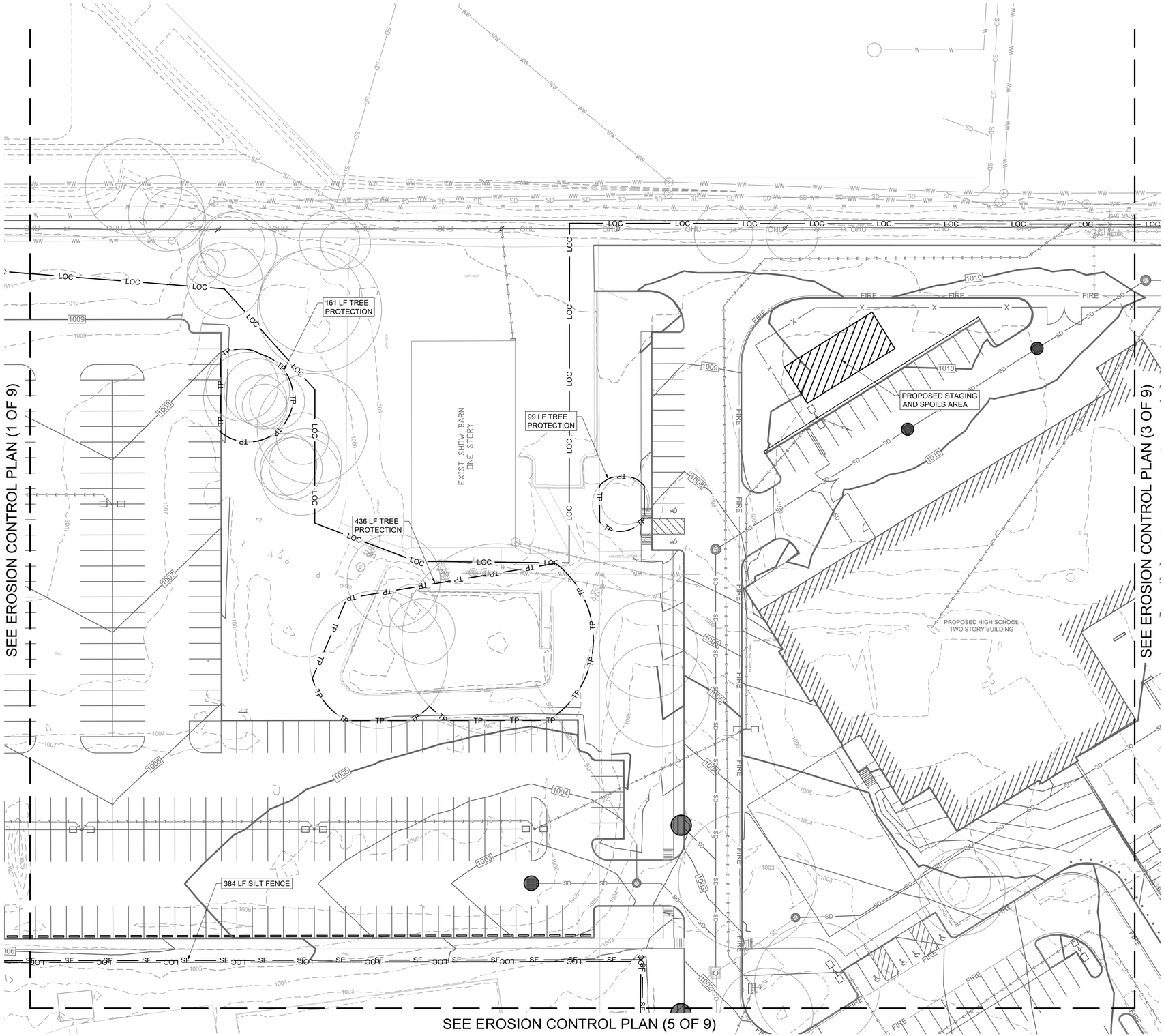
I CERTIFY THAT THESE DRAWINGS ARE COMPLETE, ACCURATE AND ADEQUATE FOR THEIR INTENDED PURPOSES, INCLUDING CONSTRUCTION, BUT ARE NOT AUTHORIZED FOR CONSTRUCTION UNTIL FORMAL CITY APPROVAL.

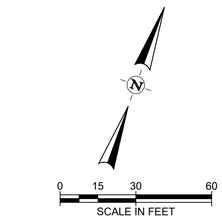
PROJECT NO.:	53112.009
ISSUED:	1/28/2026
DRAWN BY:	--
CHECKED BY:	--
SCALE:	1" = 30'

SHEET TITLE

EROSION CONTROL PLAN (1 OF 9)

FILE NAME: A:\53000s\53112\009\PW\CADD\Sheets\C-PLAN-ERCN-53112.09.dwg DATE: January 28, 2026, TIME: 9:27 AM, USER: ah3305 AVO: 53112.002





LEGEND

- LOC — LIMITS OF CONSTRUCTION
- SF — SF — SILT FENCE
- TP — TP — TREE PROTECTION FENCE
- INLET PROTECTION
- WM — PROPOSED WATER
- WW — PROPOSED WASTEWATER
- SD — SD — PROPOSED STORM
- W — W — EXISTING WATER
- WW — WW — EXISTING WASTEWATER
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- EXISTING GAS

LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
LEANDER TEXAS
SD- -

LEANDER I.S.D.
204 W. SOUTH ST.
LEANDER TEXAS

halff
13620 BRIARWICK DR. SUITE 100
AUSTIN, TEXAS 78729
TEL: (512) 777-4800

REVISION NO.	DATE	DESCRIPTION

STATE OF TEXAS
ZHIPENG XING, P.E.
127763
LICENSED PROFESSIONAL ENGINEER
1/28/2026

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY ZHIPENG XING, P.E. LIC. # 127763

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SCALE:	1" = 30'

SHEET TITLE

EROSION CONTROL PLAN (2 OF 9)

18 OF 104

811 Know what's **below.** **Call** before you dig.

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SEE EROSION CONTROL PLAN (2 OF 9)

SEE EROSION CONTROL PLAN (4 OF 9)

SEE EROSION CONTROL PLAN (6 OF 9)

90 LF TREE PROTECTION

153 LF TREE PROTECTION

137 LF TREE PROTECTION

EXISTING HIGH SCHOOL
TWO STORY BUILDING

EXISTING HIGH SCHOOL
ONE & TWO STORY BUILDING

4" RD
FL= 1002

4" RD
FL=1002.28'

0 15 30 60
SCALE IN FEET

LEGEND

LOC	LIMITS OF CONSTRUCTION
SF SF	SILT FENCE
TP TP	TREE PROTECTION FENCE
	INLET PROTECTION
WM	PROPOSED WATER
WW	PROPOSED WASTEWATER
SD SD	PROPOSED STORM
W W	EXISTING WATER
WW WW	EXISTING WASTEWATER
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EROSION CONTROL PLAN (3 OF 9)

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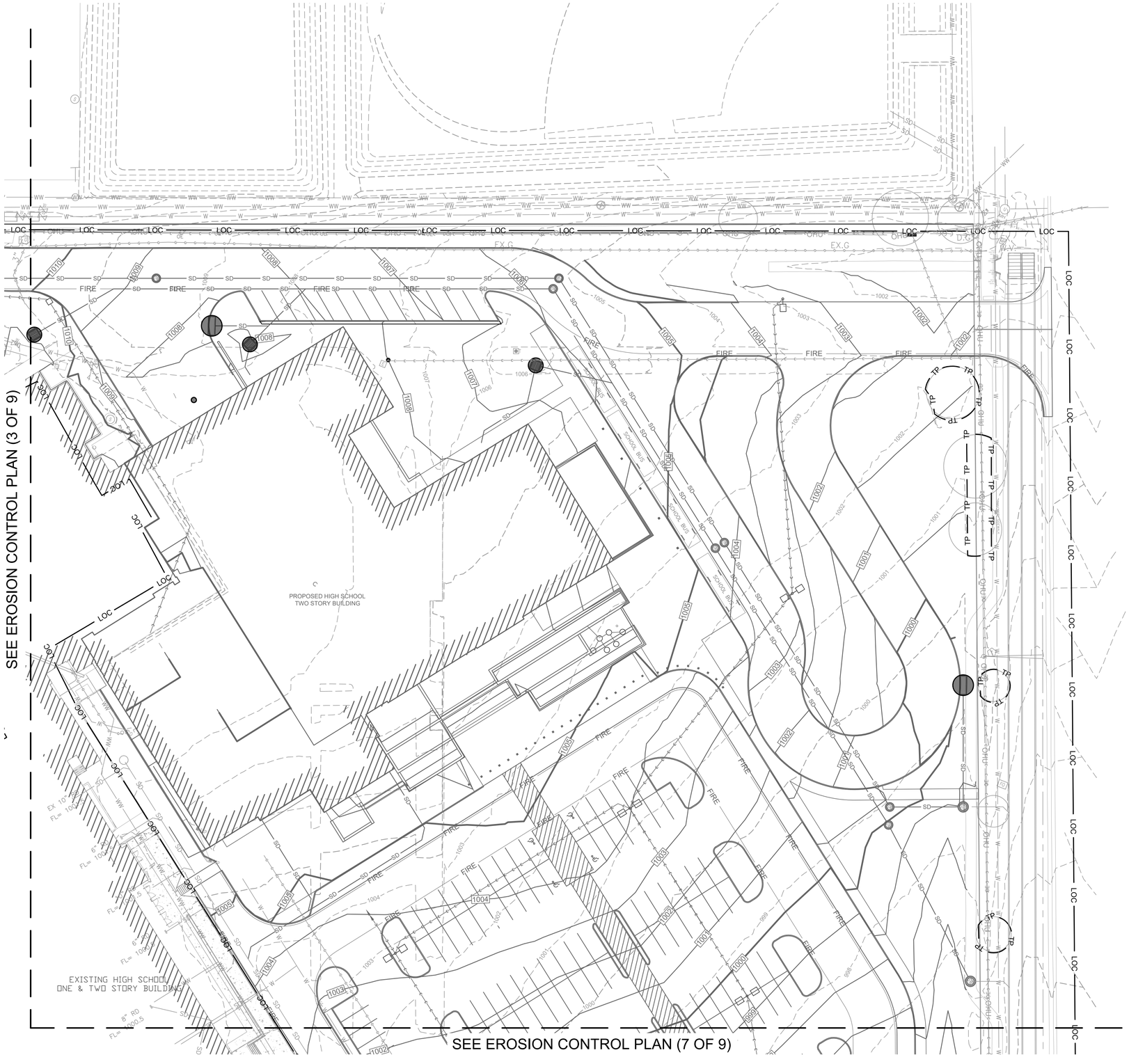

0 15 30 60
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EROSION CONTROL PLAN (4 OF 9)

20 OF 104

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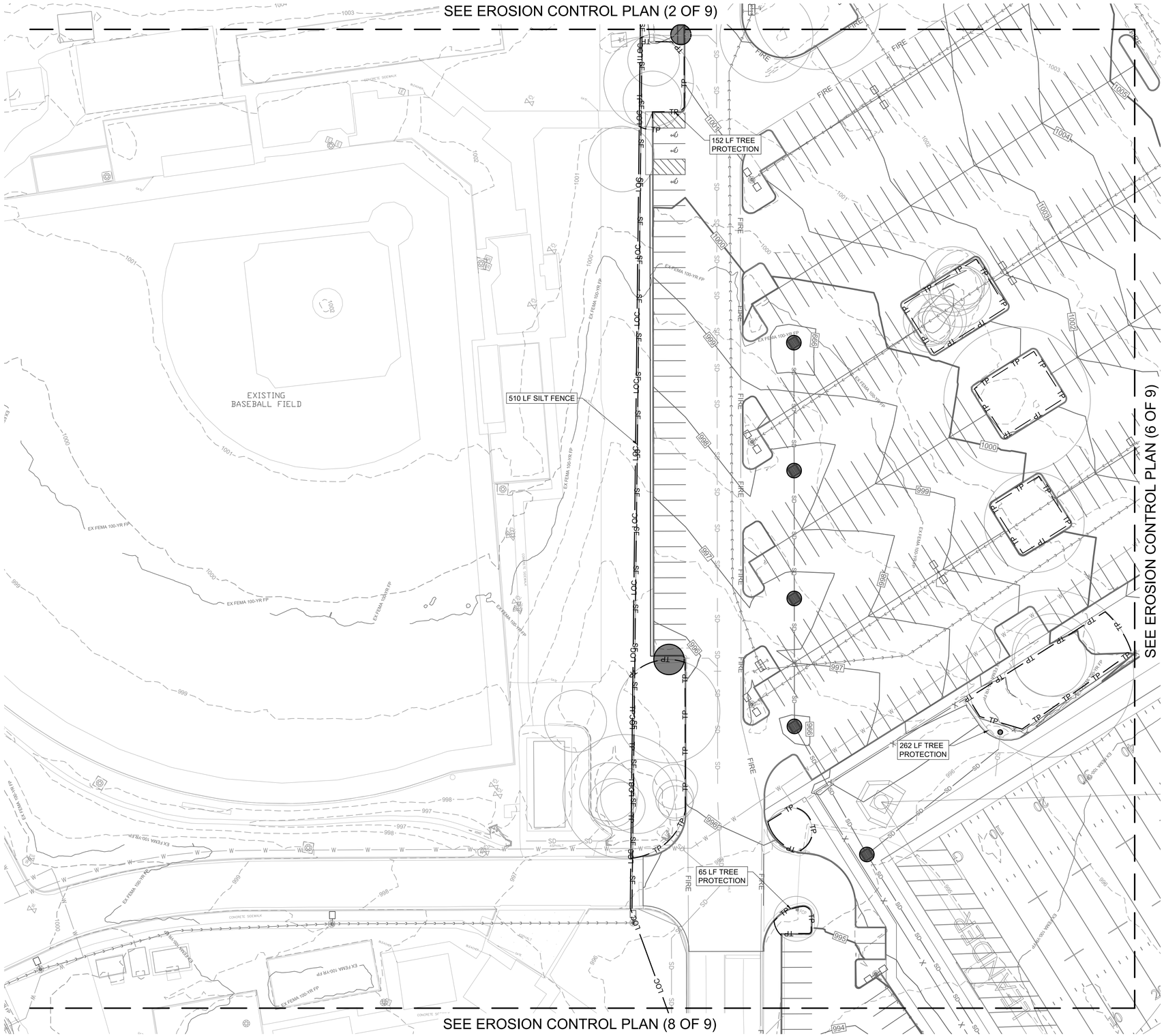

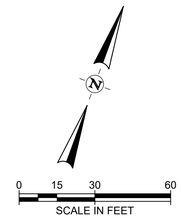

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EROSION CONTROL PLAN (5 OF 9)

21 OF 104

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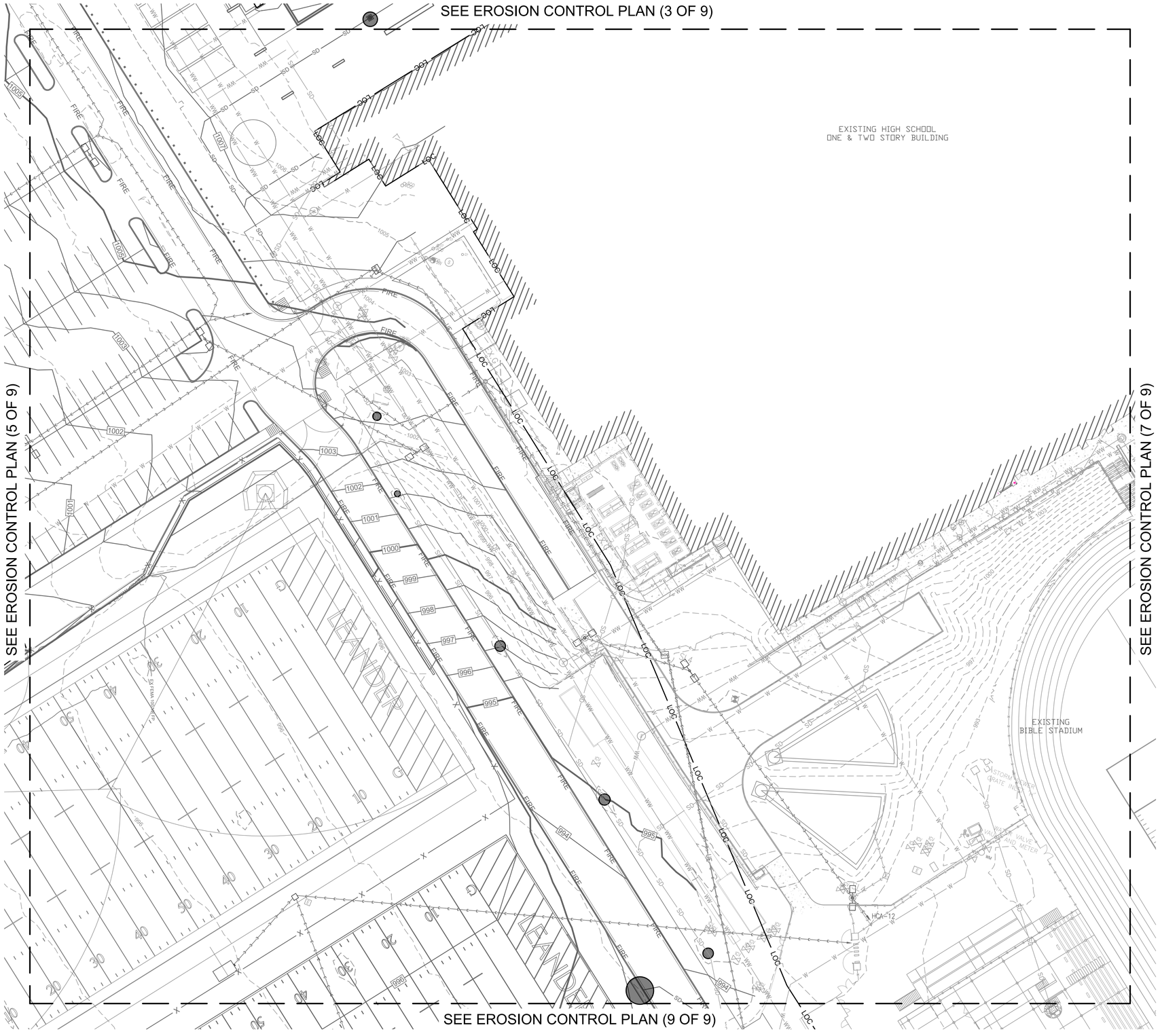

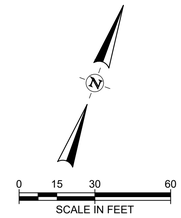

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LEANDER HS MASTER PLAN

MODERNIZATION PHASE 2
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EROSION CONTROL PLAN (6 OF 9)

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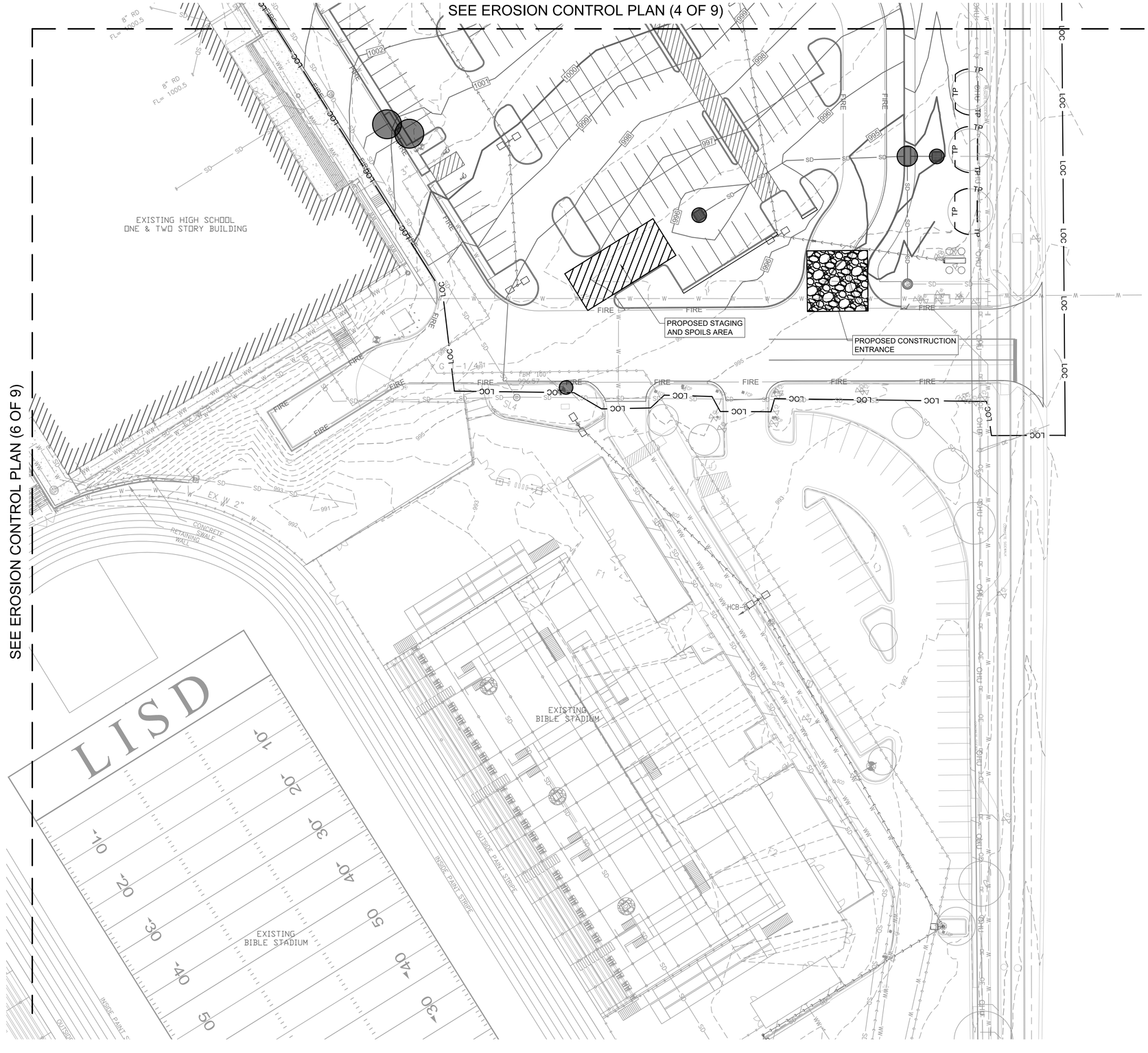
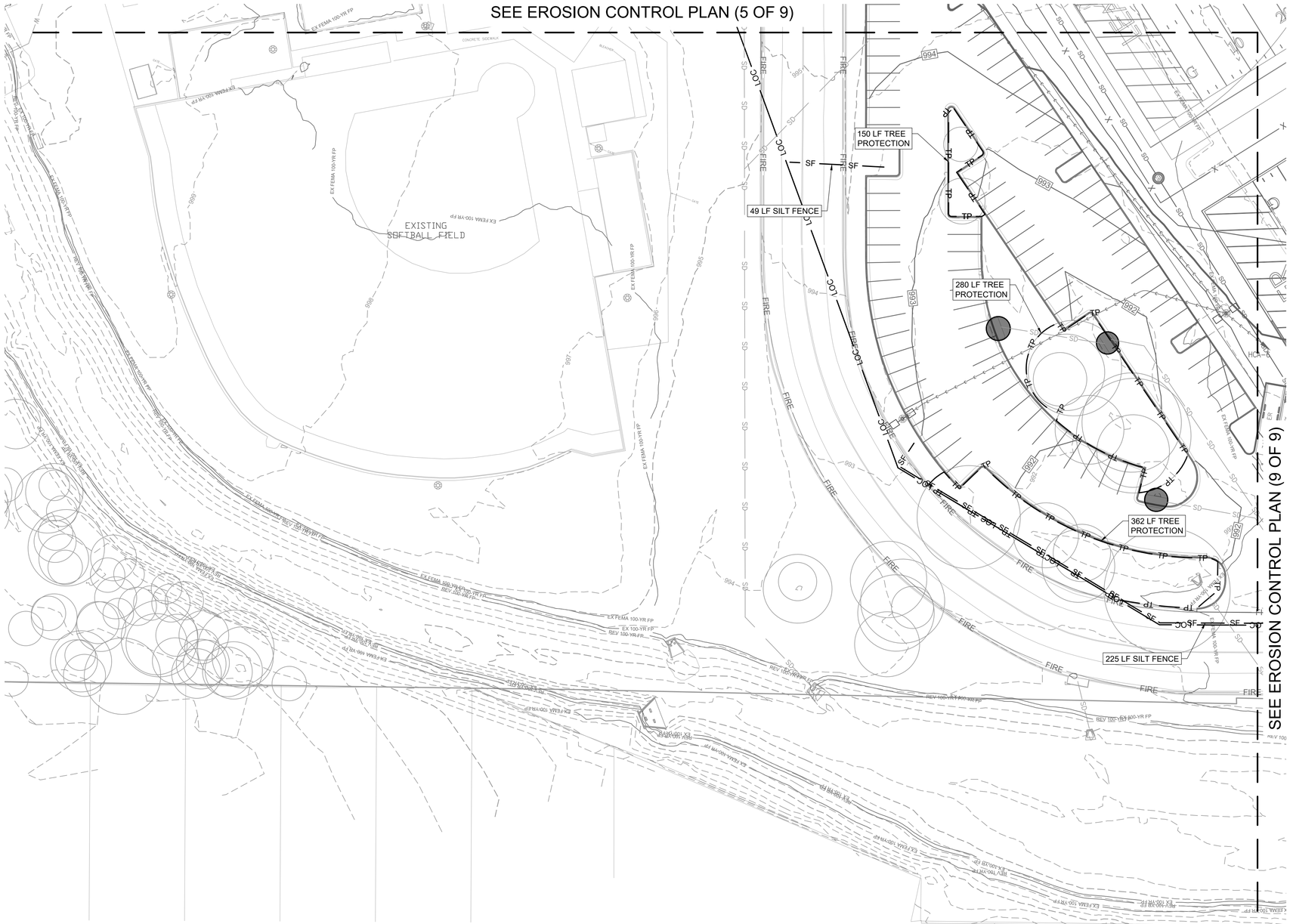

SEE EROSION CONTROL PLAN (4 OF 9)
SEE EROSION CONTROL PLAN (6 OF 9)
EXISTING HIGH SCHOOL
ONE & TWO STORY BUILDING
PROPOSED STAGING AND SPOILS AREA
PROPOSED CONSTRUCTION ENTRANCE
EXISTING BIBLE STADIUM
EXISTING BIBLE STADIUM
LISD
CONCRETE RETAINING WALL
SWALE
INSIDE PAINT STRIPE
OUTSIDE PAINT STRIPE
HCB
8" RD
FL= 1000.5
EX W 2"
EX 6" W
EX 12" W
EX 8" SD
EX 18" SD
EX 24" SD
EX 30" SD
EX 36" SD
EX 42" SD
EX 48" SD
EX 54" SD
EX 60" SD
EX 72" SD
EX 84" SD
EX 96" SD
EX 108" SD
EX 120" SD
EX 132" SD
EX 144" SD
EX 156" SD
EX 168" SD
EX 180" SD
EX 192" SD
EX 204" SD
EX



0 15 30 60
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MODERNIZATION PHASE 2
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EROSION CONTROL PLAN (8 OF 9)

24 OF 104

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SEE EROSION CONTROL PLAN (6 OF 9)

SEE EROSION CONTROL PLAN (8 OF 9)

EXISTING BIBLE STADIUM

PROPOSED CONSTRUCTION ENTRANCE

589 LF SILT FENCE

47 LF ROCK BERM

32 LF ROCK BERM

ROCK RETAINING WALL

KETTERING DRIVE

ASPHALT

0 15 30 60
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EROSION CONTROL PLAN (9 OF 9)

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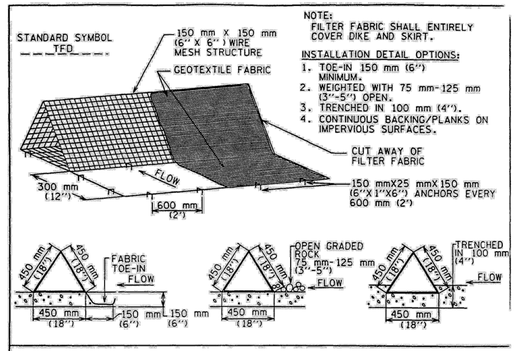
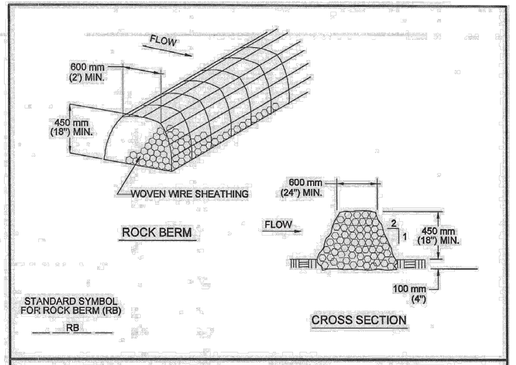


GENERAL NOTES

1. DIKES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT DIKE.
2. THE FABRIC COVER AND SKIRT SHALL BE A CONTINUOUS WRAPPING OF GEOTEXTILE. THE SKIRT SHALL BE A CONTINUOUS EXTENSION OF THE FABRIC ON THE UPSTREAM FACE.
3. THE SKIRT SHALL BE WEIGHTED WITH A CONTINUOUS LAYER OF 75-125 mm (3-5") OPEN GRADED ROCK OR TOED-IN 150 mm (6") WITH MECHANICALLY COMPACTED MATERIAL. OTHERWISE, THE ENTIRE STRUCTURE SHALL BE TRENCHED IN 100 mm (4").
4. DIKES AND SKIRT SHALL BE SECURELY ANCHORED IN PLACE USING 150 mm (6") WIRE STAPLES ON 600 mm (2') CENTERS ON BOTH EDGES AND SKIRT, OR STAKE USING 10M (⅜") DIAMETER RE-BAR WITH TEE ENDS.
5. FILTER MATERIAL SHALL BE LAPPED OVER ENDS 150 mm (6") TO COVER DIKE TO DIKE JOINTS. JOINTS SHALL BE FASTENED WITH GALVANIZED SHOAT RINGS.
6. THE DIKE STRUCTURE SHALL BE MW40-150 mmX150 mm (6 GA. 6"X6") WIRE MESH, 450 mm (18") ON A SIDE.
7. INSPECTION SHALL BE MADE WEEKLY OR AFTER EACH RAINFALL EVENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED BY THE CONTRACTOR.
8. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 150 mm (6") AND DISPOSED OF IN A MANNER WHICH WILL NOT CAUSE ADDITIONAL SILTATION.
9. AFTER THE DEVELOPMENT SITE IS COMPLETLY STABILIZED, THE DIKES AND ANY REMAINING SILT SHALL BE REMOVED. SILT SHALL BE DISPOSED OF AS INDICATED IN GENERAL NOTE 8 ABOVE.

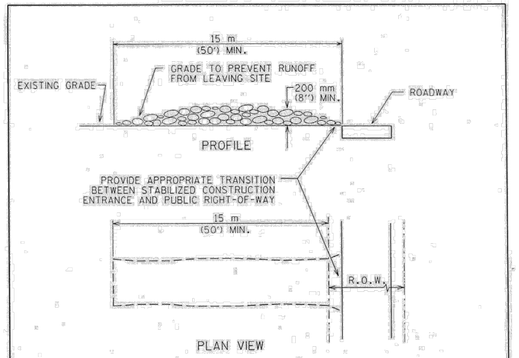
CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT	TRIANGULAR SEDIMENT FILTER DIKE	
3.27.00 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 628S



NOTES:

1. USE ONLY OPEN GRADED ROCK 75 to 125 mm (3 to 5") DIAMETER FOR ALL CONDITIONS.
2. THE ROCK BERM SHALL BE SECURED WITH A WOVEN WIRE SHEATHING HAVING MAXIMUM 25 mm (1") OPENING AND MINIMUM WIRE DIAMETER OF 12.9 mm (20 GAUGE).
3. THE ROCK BERM SHALL BE INSPECTED DAILY OR AFTER EACH RAIN, AND THE STONE AND/OR FABRIC CORE-WOVEN SHEATHING SHALL BE REPLACED WHEN THE STRUCTURE CEASES TO FUNCTION AS INTENDED, DUE TO SEDIMENT ACCUMULATION AMONG THE ROCKS, WASHOUT, CONSTRUCTION TRAFFIC DAMAGE, ETC.
4. IF SEDIMENT REACHES A DEPTH EQUAL TO ONE-THIRD THE HEIGHT OF THE BERM OR 150 mm (6"), WHICHEVER IS LESS, THE SEDIMENT SHALL BE REMOVED AND DISPOSED OF ON AN APPROVED SITE AND IN A MANNER THAT WILL NOT CREATE A SEDIMENTION PROBLEM.
5. WHEN THE SITE IS COMPLETELY STABILIZED,THE BERM AND ACCUMULATED SEDIMENT SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED MANNER.

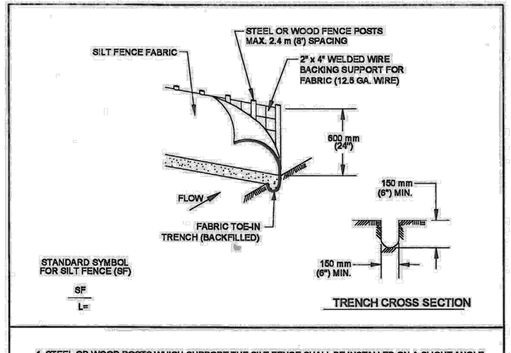
CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT	ROCK BERM	
Mingb. Xing P.E. 8/24/2010 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 639S-1



NOTES:

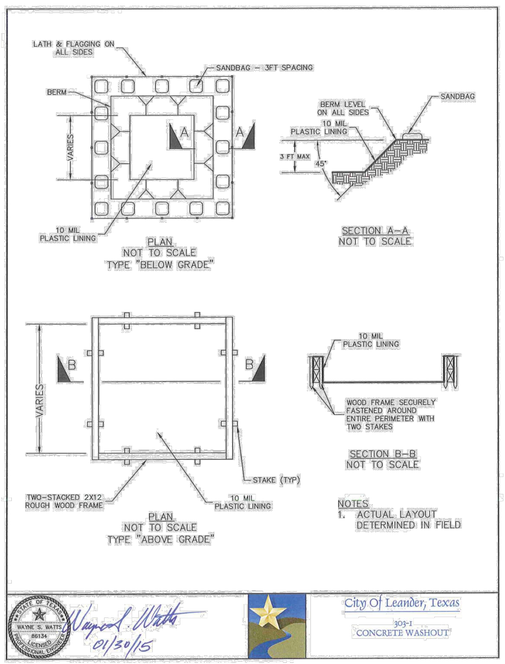
1. STONE SIZE: 75-125 mm (3-5") OPEN GRADED ROCK.
2. LENGTH: AS EFFECTIVE BUT NOT LESS THAN 15 m (50').
3. THICKNESS: NOT LESS THAN 200 mm (8").
4. WIDTH: NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS/EGRESS.
5. WASHING: WHEN NECESSARY, VEHICLE WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC ROADWAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE AND DRAINS INTO AN APPROVED TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATERCOURSE USING APPROVED METHODS.
6. MAINTENANCE: THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADWAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND, AS WELL AS REPAIR AND CLEAN OUT OF ANY MEASURE DEVICES USED TO TRAP SEDIMENT. ALL SEDIMENTS THAT IS SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADWAY MUST BE REMOVED IMMEDIATELY.
7. DRAINAGE: ENTRANCE MUST BE PROPERLY GRADED OR INCORPORATE A DRAINAGE SWALE TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.

CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT	STABILIZED CONSTRUCTION ENTRANCE	
5/23/00 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 641S-1



1. STEEL OR WOOD POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF 300 mm (12 INCHES). IF WOOD POSTS CANNOT ACHIEVE 300 mm (12 inches) DEPTH, USE STEEL POSTS.
2. THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW.
3. THE TRENCH MUST BE A MINIMUM OF 150 mm (6 inches) DEEP AND 150 mm (6 inches) WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
4. SILT FENCE FABRIC SHOULD BE SECURELY FASTENED TO EACH STEEL OR WOOD SUPPORT POST OR TO WOVEN WIRE , WHICH IS IN TURN ATTACHED TO THE STEEL OR WOOD FENCE POST.
5. INSPECTION SHALL BE MADE WEEKLY OR AFTER EACH RAINFALL EVENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTY AS NEEDED.
6. SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
7. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 150 mm (6 inches). THE SILT SHALL BE DISPOSED OF ON AN APPROVED SITE AND IN SUCH A MANNER THAT WILL NOT CONTRIBUTE TO ADDITIONAL SILTATION.

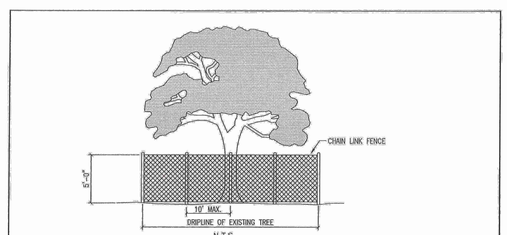
CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT	SILT FENCE	
9/1/2011 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 642S-1



NOTES

1. ACTUAL LAYOUT DETERMINED IN FIELD

STATE OF TEXAS WAYNE S. WATTS 85124 REGISTERED PROFESSIONAL ENGINEER	Wayne S. Watts 01/30/15	City Of Leander, Texas
		303-1 CONCRETE WASHOUT



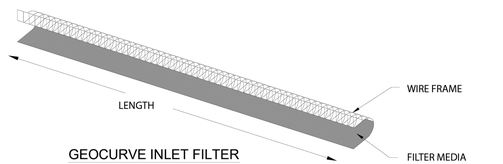
1. TREE PROTECTION FENCES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY SITE PREPARATION WORK (CLEARING, GRUBBING OR GRADING).
2. FENCES SHALL COMPLETELY SURROUND THE TREE, OR CLUSTERS OF TREES; SHALL BE LOCATED AT THE OUTERMOST LIMIT OF THE TREE BRANCHES (DRIPLINE), AND SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROJECT IN ORDER TO PREVENT THE FOLLOWING:
   A. SOIL COMPACTION IN THE ROOT ZONE AREA RESULTING FROM VEHICULAR TRAFFIC, OR STORAGE OF EQUIPMENT OR MATERIALS.
   B. ROOT ZONE DISTURBANCES DUE TO GRADE CHANGES (GREATER THAN SIX INCHES (6")) CUT OR FILL, OR TRENCHING NOT REVIEWED AND AUTHORIZED BY THE CITY.
   C. WOUNDS TO EXPOSED ROOTS, TRUNKS OR LIMBS BY MECHANICAL EQUIPMENT,
   D. OTHER ACTIVITIES DETRIMENTAL TO TREES, SUCH AS CHEMICAL STORAGE, CEMENT TRUCK CLEANING AND FIRE.
3. EXCEPTIONS TO INSTALLING FENCES AT TREE DRIPLINES MAY BE PERMITTED IN THE FOLLOWING CASES:
   A. WHERE PERMEABLE PAVING IS TO BE INSTALLED, ERECT THE FENCE AT THE OUTER LIMITS OF THE PERMEABLE PAVING AREA.
   B. WHERE TREES ARE CLOSE TO PROPOSED BUILDINGS, ERECT THE FENCE NO CLOSER THAN SIX FEET (6'-0") TO BUILDING.
4. CRITICAL ROOT ZONE REQUIREMENTS
   A. NO CONSTRUCTION OR DISTURBANCE SHALL OCCUR WITHIN AN AREA THAT CONSTITUTES MORE THAN FIFTY (50%) OF THE TOTAL CRITICAL ROOT ZONE AND ONE HALF THE RADIAL DISTANCE OF THE CRITICAL ROOT ZONE FOR EACH TREE BEING PRESERVED INCLUDING SIGNIFICANT TREES, HERITAGE TREES, AND ANY OTHER TREES FOR WHICH PRESERVATION IS TO BE CREDITED. THE REMAINING CRITICAL ROOT ZONE SHALL CONSIST OF AT LEAST ONE HUNDRED (100) SQUARE FEET.
   B. THIS DEFINED AREA SHALL BE FLAGGED AND ENCIRCLED WITH PROTECTIVE FENCING DURING CONSTRUCTION. THE PLANNING DIRECTOR MAY APPROVE CONSTRUCTION CLOSER TO THE TRUNK THAN ONE HALF (½) THE RADIAL DISTANCE, DEPENDING ON THE SIZE, SPACING, OR SPECIES OF THE TREE, THE TYPE OF DISTURBANCE PROPOSED, AND UNIQUENESS OF THE SITUATION.
   C. CUT OR FILL THAT IS GREATER THAN FOUR (4) INCHES IN DEPTH AND THE SEVERING OF MAJOR ROOTS SHALL BE CONSIDERED DISTURBANCE FOR THE PURPOSES OF THIS ORDINANCE.
   D. WITHIN THE PROTECTED CRITICAL ROOT ZONE, ONLY FLATWORK, DECKING, OR SIMILAR CONSTRUCTION, MAY BE APPROVED AND SHALL NOT AFFECT THE BRANCHING OF THE TREE.
   E. IF PROPOSED OR ACTUAL PROTECTION OF THE CRITICAL ROOT ZONE OF A TREE DOES NOT MEET THE REQUIREMENTS OF THIS SECTION, THEN THE TREE SHALL BE CONSIDERED REMOVED AND SHALL REQUIRE MITIGATION IN ACCORDANCE WITH THIS ORDINANCE.

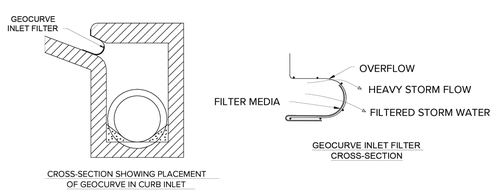
STATE OF TEXAS WAYNE S. WATTS 85124 REGISTERED PROFESSIONAL ENGINEER	Wayne S. Watts 08/21/15	City Of Leander, Texas
		303-2 TREE PROTECTION

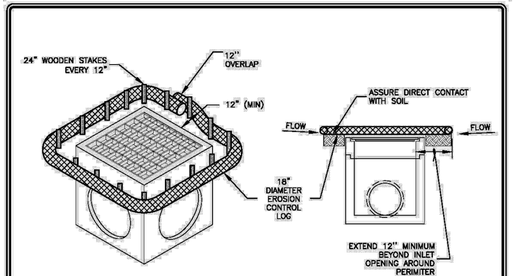
GeoCurve Product Data Sheet

GEOCURVE
STORMWATER CURB INLET FILTER

The GeoCurve Stormwater Curb Inlet Filter prevents sediment and debris from entering the storm sewer system, while complying to stormwater management requirements (SWPPP). The GeoCurve's compression fit technology allows the product to fit snug within the mouth of the inlet, hidden from oncoming traffic and pedestrians.







NOTES:

1. EROSION CONTROL LOG CONTAINMENT MESH SHALL BE 100% BIODEGRADABLE, PHOTODEGRADABLE OR RECYCLABLE; AND FILL MATERIAL SHALL CONSIST OF MULCH, ASPEN EXCELSIOR FIBERS, CHIPPED SITE VEGETATION, COCONUT FIBERS, 100% RECYCLABLE FIBERS, OR ANY OTHER ACCEPTABLE MATERIAL EXCLUDING STRAW AND HAY.
2. DAILY INSPECTION SHALL BE MADE BY THE CONTRACTOR AND SILT ACCUMULATION MUST BE REMOVED WHEN DEPTH REACHES 6".
3. CONTRACTOR SHALL MONITOR THE PERFORMANCE OF INLET PROTECTION DURING EACH RAINFALL EVENT AND IMMEDIATELY CLEAN THE INLET PROTECTION IF EXCESSIVE PONDING OCCURS.
4. INLET PROTECTIONS SHALL BE REMOVED AS SOON AS THE SOURCE OF SEDIMENT IS STABILIZED.

RECORD SIGNED COPY ON FILE AT PUBLIC WORKS	CITY OF ROUND ROCK	DRAWING NO: EC-16
APPROVED 03-25-11 DATE	AREA INLET PROTECTION WITH EROSION CONTROL LOG DETAIL	ROUND ROCK, TEXAS PEOPLE, PASSION, PROGRESS
THE ARCHITECT/ENGINEERS ASSUMES RESPONSIBILITY FOR THE APPROPRIATE USE OF THIS DETAIL. (NOT TO SCALE)		

LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
LEANDER TEXAS
SD- -

LEANDER I.S.D.
204 W. SOUTH ST.
LEANDER TEXAS

halff
13620 BRIARWICK DR. SUITE 100
AUSTIN, TEXAS 78729
TEL: (512)777-4600

REVISION NO.	DATE	DESCRIPTION

STATE OF TEXAS
ZHIPENG XING, P.E.
127763
LICENSED PROFESSIONAL ENGINEER
1/28/2026

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY ZHIPENG XING, P.E. LIC. # 127763

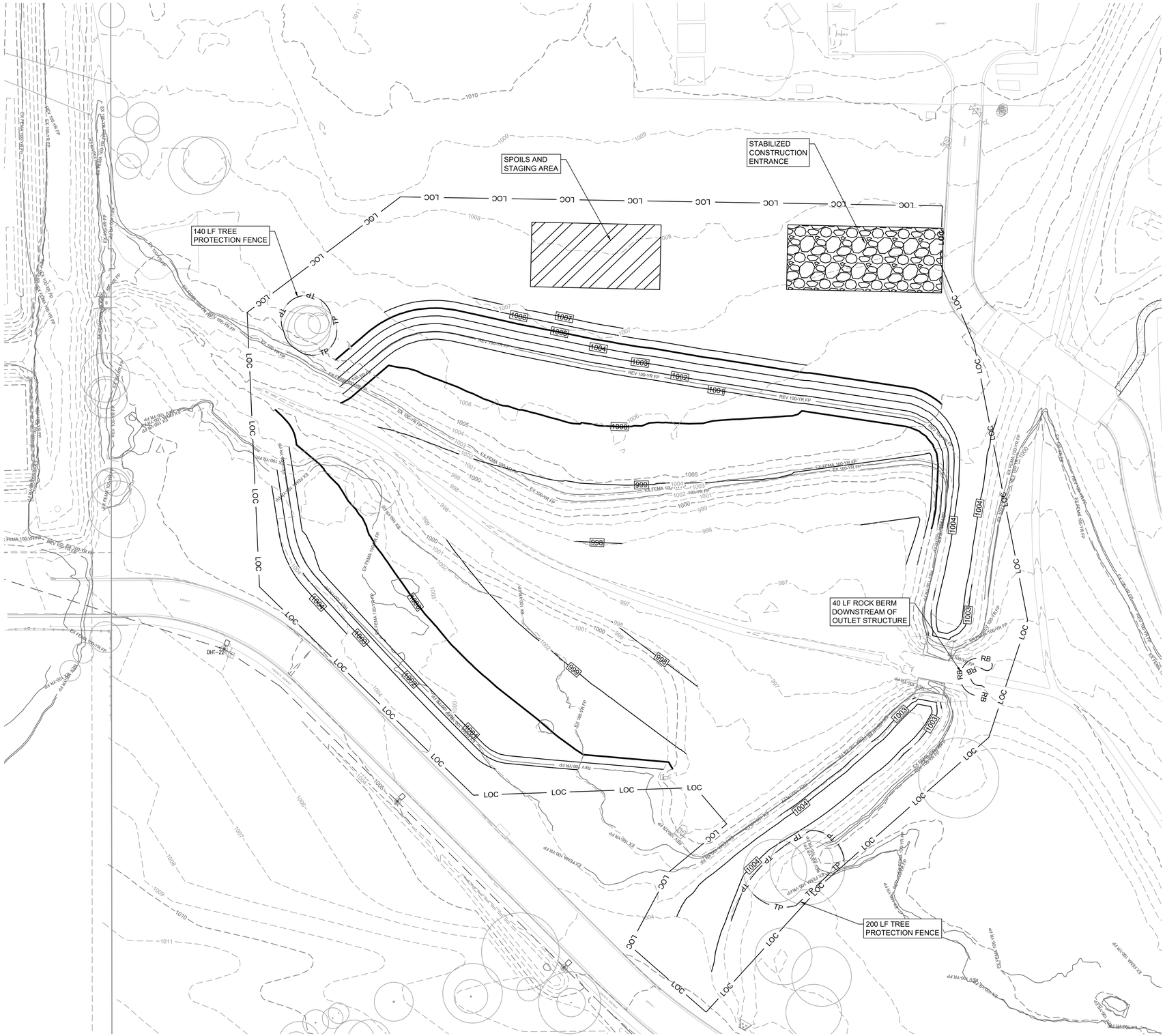
I CERTIFY THAT THESE DRAWINGS ARE COMPLETE, ACCURATE AND ADEQUATE FOR THEIR INTENDED PURPOSES, INCLUDING CONSTRUCTION, BUT ARE NOT AUTHORIZED FOR CONSTRUCTION UNTIL FORMAL CITY APPROVAL.

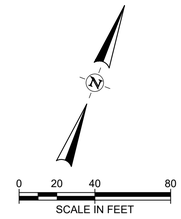
PROJECT NO.:	53112.009
ISSUED:	1/28/2026
DRAWN BY:	--
CHECKED BY:	--
SCALE:	N.T.S.

SHEET TITLE

EROSION CONTROL DETAILS

FILE NAME: A:\53000s\53112009\PW\CADD\Sheets\C-DTLS-53112.09.dwg DATE: January 28, 2026, TIME: 9:28 AM, USER: ah3305 AVO: 53112.002





LEGEND

- EX FEMA 100-YR FP — FEMA 100-YEAR FLOODPLAIN
- EX 100-YR FP — EXISTING 100-YEAR FLOODPLAIN
- REV 100-YR FP — REVISED 100-YEAR FLOODPLAIN
- XXX — PROPOSED CONTOURS
- XXX — EXISTING CONTOURS
- EXISTING TREES
- RB — RB — ROCK BERM
- TP — TP — TREE PROTECTION FENCE
- LOC — LIMITS OF CONSTRUCTION

NOTES:
1. SEE EROSION CONTROL NOTES ON SHEET 3.
2. THE CITY OF LEANDER ENVIRONMENTAL INSPECTOR HAS THE AUTHORITY TO ADD OR MODIFY EROSION/SEDIMENT CONTROLS ON SITE THROUGHOUT THE DURATION OF THE PROJECT.

LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
LEANDER TEXAS
SD- -

LEANDER I.S.D.
204 W. SOUTH ST.
LEANDER TEXAS

halff
13620 BRAKWICK DR. SUITE 100
AUSTIN, TEXAS 78729
TEL: (512) 777-4800

REVISION NO.	DATE	DESCRIPTION

STATE OF TEXAS
ZHIPENG XING, P.E.
127763
LICENSED
PROFESSIONAL ENGINEER
1/28/2026

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY ZHIPENG XING, P.E. LIC. # 127763

I CERTIFY THAT THESE DRAWINGS ARE COMPLETE, ACCURATE AND ADEQUATE FOR THEIR INTENDED PURPOSES, INCLUDING CONSTRUCTION, BUT ARE NOT AUTHORIZED FOR CONSTRUCTION UNTIL FORMAL CITY APPROVAL.

PROJECT NO.:	53112.009
ISSUED:	1/28/2026
DRAWN BY:	--
CHECKED BY:	--
SCALE:	1" = ##'

SHEET TITLE

DETENTION POND ESC PLAN

FILE NAME: A:\53000s\53112009\PW\CADD\Sheets\Detention Pond Sheets\C-PLAN-ESC-FEMA-53112.09.dwg DATE: January 28, 2026, TIME: 9:36 AM, USER: ah3305 AVO: 53112.002

Appendix C – TPDES Construction General Permit No. TXR 150000

For a full copy of the TCEQ permit, refer to this link:

https://www.tceq.texas.gov/downloads/permitting/stormwater/general/construction/2023-cgp-txr150000.pdf

Appendix D

TCEQ Large Construction Site Notice

Primary Operator

Large construction sites disturb more than five acres or are part of a larger common plan of development that disturbs more than five acres. Primary operators of large construction sites will fill out this notice. Primary operators will then post this notice at the construction site in a location where it is safely and readily available for viewing by the general public and local, state, and federal authorities. Additional information about the TCEQ Construction Stormwater General Permit may be found on TCEQ's webpage on Assistance Tools for Construction Stormwater General Permits.

Note: You must also develop a Stormwater Pollution Prevention Plan prior to the commencement of construction.

Site-Specific TPDES Authorization Number: TXR15 Day-to-day Operational Control

Primary Operator Name: American Constructors

Contact Name and Phone Number: Tim Shelton 512-573-4927

Project Description: Leander HS Master Plan Modernization Phase 2

Physical Location/Description 3301 S Bagdad Road, Leander, TX 78641

Estimated Start Date 5/15/2026

Projected End Date or Date Disturbed Soils Will Be Stabilized 12/31/2028

Location of Stormwater Pollution Prevention Plan (SWP3): Office Trailer

Inspection Date: _____

General Information	
Name of Project: Leander HS Master Plan Modernization Phase 2	TCEQ Permit No.:
Inspector Name:	Inspector Title:
Inspector's Contact Information:	
Inspection Location: (if multiple inspections are required)	
Inspection Frequency: Standard Frequency: ☐ Weekly ☐ Every 14 days and within 24 hours of a 0.50" rain Reduced Frequency: ☐ Once per month (for stabilized areas)	
Weather at the time of this inspection: _____ Was this inspection after a 0.50" storm event? ☐Yes ☐ No If yes, rainfall amount (in inches):	
Are there any discharges at the time of inspection? ☐ Yes ☐ No	

Condition and Effectiveness of BMP Controls & Pollution Prevention					
Sl. No.	**BMP Description & Location**	**Is BMP Installed & Operating Properly?**	**Corrective Action (CA) Required?**	**Date of BMP Maintenance**	**Notes**
1.	Silt Fence/Fiber Rolls/Berm/Wattles Location:	☐ Yes ☐ No	☐ Yes ☐ No		
2.	Silt Dykes/Check Dam/Rock Dams Location:	☐ Yes ☐ No	☐ Yes ☐ No		
3.	Stabilized Construction Entrance /Exit Location:	☐ Yes ☐ No	☐ Yes ☐ No		
4.	Inlet Protection on all storm drain Location:	☐ Yes ☐ No	☐ Yes ☐ No		
5.	Sand Bag Barrier/Gravel Bag Barrier Location:	☐ Yes ☐ No	☐ Yes ☐ No		
6.	Vegetated Swales Location:	☐ Yes ☐ No	☐ Yes ☐ No		
7.	Compost Blankets/Geotextiles & Mats Location:	☐ Yes ☐ No	☐ Yes ☐ No		
8.	Vegetative Buffers Location:	☐ Yes ☐ No	☐ Yes ☐ No		

9.	Sediment Trap/ Sediment Basin Location:	☐ Yes ☐ No	☐ Yes ☐ No		
10.	Concrete Washout Pit Location:	☐ Yes ☐ No	☐ Yes ☐ No		
11.	Dust Control/Prevention	☐ Yes ☐ No	☐ Yes ☐ No		

Pollution Prevention and Waste Management		
Items of Inspection	**Response & Reason**	**Action(s) Needed**
Is the site free of floatables, litter, and construction debris?	☐ Yes ☐ No If no, reason:	
Are material storage and handling areas, including fueling areas, free of spills and leaks?	☐ Yes ☐ No If no, reason:	
Are spill kits available where spills and leaks are likely to occur?	☐ Yes ☐ No If no, reason:	
Are dumpsters and waste receptacles covered when not in use?	☐ Yes ☐ No If no, reason:	
Has preventative maintenance been conducted on equipment and machinery?	☐ Yes ☐ No If no, reason:	
Are material stockpiles sufficiently contained?	☐ Yes ☐ No If no, reason:	
Has there been any sediment tracked-out from the site onto the surface of paved street, sidewalks or other paved areas outside of the site?	☐ Yes ☐ No If no, reason:	
Is the project free from visible erosion and/or sedimentation?	☐ Yes ☐ No If no, reason:	

Complete the following section if a discharge is occurring at the time of the inspection:

Description of Discharges	
Was a stormwater discharge or other discharge occurring from any part of your site at the time of the inspection? ☐ Yes ☐ No, If yes, provide the following information for each point of discharge:	
Specify Discharge Location	**Observations (Visual Quality of the Discharge)**
1.	Describe the discharge (color, odor, floating, settled/suspended solids, foam, & oil sheen): Are there any visible signs of erosion and/or sediment accumulation that can be attributed to your discharge? ☐ Yes ☐ No, If yes, describe what you see, specify the location(s) where these conditions were found, and indicate whether modification, maintenance, or corrective action is needed to resolve the issue:
2.	Describe the discharge (color, odor, floating, settled/suspended solids, foam, & oil sheen): Are there any visible signs of erosion and/or sediment accumulation that can be attributed to your discharge? ☐ Yes ☐ No, If yes, describe what you see, specify the location(s) where these conditions were found, and indicate whether modification, maintenance, or corrective action is needed to resolve the issue:

Contractor or Subcontractor Certification and Signature:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature:_____ Date: _____

Print Name: _____ Affiliation: _____

Attachment F - SWPPP Modification Log

Sl. No	General Description of the Amendment	Date of Amendment	Amendment Prepared by
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			

Attachment G - Site Grading and Stabilization Log

Date Grading Initiated	Description of Grading Activity	Description of Stabilization Measure and Location	Date When Stabilization Initiated

Use the following table if construction at the site temporarily or permanently ceases:

Date Construction Stopped	Area/Location Where Construction Stopped (e.g. site-wide)	Temporary or Permanent?

Agent Authorization Form
For Required Signature
Edwards Aquifer Protection Program
Relating to 30 TAC Chapter 213
Effective June 1, 1999

I Jeremy Trimble,
Print Name

Chief Operations Officer,
Title - Owner/President/Other

of Leander ISD,
Corporation/Partnership/Entity Name

have authorized Zhipeng Xing
Print Name of Agent/Engineer

of Halff Associates
Print Name of Firm

to represent and act on the behalf of the above named Corporation, Partnership, or Entity for the purpose of preparing and submitting this plan application to the Texas Commission on Environmental Quality (TCEQ) for the review and approval consideration of regulated activities.

I also understand that:

1. The applicant is responsible for compliance with 30 Texas Administrative Code Chapter 213 and any condition of the TCEQ's approval letter. The TCEQ is authorized to assess administrative penalties of up to $10,000 per day per violation.

2. For those submitting an application who are not the property owner, but who have the right to control and possess the property, additional authorization is required from the owner.

3. Application fees are due and payable at the time the application is submitted. The application fee must be sent to the TCEQ cashier or to the appropriate regional office. The application will not be considered until the correct fee is received by the commission.

4. A notarized copy of the Agent Authorization Form must be provided for the person preparing the application, and this form must accompany the completed application.

5. No person shall commence any regulated activity on the Edwards Aquifer Recharge Zone, Contributing Zone or Transition Zone until the appropriate application for the activity has been filed with and approved by the Executive Director.

SIGNATURE PAGE:

Applicant's Signature

1/23/2026
Date

THE STATE OF Texa §

County of Williamson §

BEFORE ME, the undersigned authority, on this day personally appeared Jeremy Trimble known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that (s)he executed same for the purpose and consideration therein expressed.

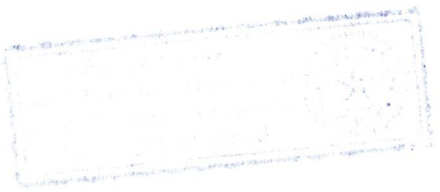
GIVEN under my hand and seal of office on this 23 day of January, 2026.

Darla Saldaña
NOTARY PUBLIC

DARLA SALDAÑA
Notary Public, State of Texas
Comm. Expires 02-05-2029
Notary ID 132038338

Darla Saldaña
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 02-05-2029



Application Fee Form

Texas Commission on Environmental Quality
Name of Proposed Regulated Entity: Leander High School
Regulated Entity Location: 3301 S Bagdad Rd, Leander, TX 78641
Name of Customer: Leander IDS
Contact Person: Jeremy Trimble Phone: 512-570-0415
Customer Reference Number (if issued):CN 600781074
Regulated Entity Reference Number (if issued):RN 103171310
Austin Regional Office (3373)

☐ Hays ☐ Travis ☒ Williamson

San Antonio Regional Office (3362)

☐ Bexar ☐ Medina ☐ Uvalde
☐ Comal ☐ Kinney

Application fees must be paid by check, certified check, or money order, payable to the Texas Commission on Environmental Quality. Your canceled check will serve as your receipt. This form must be submitted with your fee payment. This payment is being submitted to:

☒ Austin Regional Office
☐ Mailed to: TCEQ - Cashier
Revenues Section
Mail Code 214
P.O. Box 13088
Austin, TX 78711-3088

☐ San Antonio Regional Office
☐ Overnight Delivery to: TCEQ - Cashier
12100 Park 35 Circle
Building A, 3rd Floor
Austin, TX 78753
(512)239-0357

Site Location (Check All That Apply):

☐ Recharge Zone ☒ Contributing Zone ☐ Transition Zone

Type of Plan	*Size*	*Fee Due*
Water Pollution Abatement Plan, Contributing Zone Plan: One Single Family Residential Dwelling	Acres	$
Water Pollution Abatement Plan, Contributing Zone Plan: Multiple Single Family Residential and Parks	Acres	$
Water Pollution Abatement Plan, Contributing Zone Plan: Non-residential	90 Acres	$ 8,000
Sewage Collection System	L.F.	$
Lift Stations without sewer lines	Acres	$
Underground or Aboveground Storage Tank Facility	Tanks	$
Piping System(s)(only)	Each	$
Exception	Each	$
Extension of Time	Each	$

Signature: _____ Date: 02/02/2026

Application Fee Schedule

Texas Commission on Environmental Quality
Edwards Aquifer Protection Program 30 TAC Chapter 213 (effective 05/01/2008)

Water Pollution Abatement Plans and Modifications

Contributing Zone Plans and Modifications

Project	*Project Area in Acres*	*Fee*
One Single Family Residential Dwelling	< 5	$650
Multiple Single Family Residential and Parks	< 5 5 < 10 10 < 40 40 < 100 100 < 500 ≥ 500	$1,500 $3,000 $4,000 $6,500 $8,000 $10,000
Non-residential (Commercial, industrial, institutional, multi-family residential, schools, and other sites where regulated activities will occur)	< 1 1 < 5 5 < 10 10 < 40 40 < 100 ≥ 100	$3,000 $4,000 $5,000 $6,500 $8,000 $10,000

Organized Sewage Collection Systems and Modifications

Project	*Cost per Linear Foot*	*Minimum Fee-Maximum Fee*
Sewage Collection Systems	$0.50	$650 - $6,500

Underground and Aboveground Storage Tank System Facility Plans and Modifications

Project	*Cost per Tank or Piping System*	*Minimum Fee-Maximum Fee*
Underground and Aboveground Storage Tank Facility	$650	$650 - $6,500

Exception Requests

Project	*Fee*
Exception Request	$500

Extension of Time Requests

Project	*Fee*
Extension of Time Request	$150

TCEQ Use Only

TCEQ Core Data Form

For detailed instructions on completing this form, please read the Core Data Form Instructions or call 512-239-5175.

SECTION I: General Information

1. Reason for Submission *(If other is checked please describe in space provided.)*

☒ New Permit, Registration or Authorization *(Core Data Form should be submitted with the program application.)*

☐ Renewal *(Core Data Form should be submitted with the renewal form)* ☐ Other

2. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	**3. Regulated Entity Reference Number** *(if issued)*
CN 600781074		**RN 103171310**

SECTION II: Customer Information

4. General Customer Information | **5. Effective Date for Customer Information Updates** (mm/dd/yyyy)

☐ New Customer ☐ Update to Customer Information ☐ Change in Regulated Entity Ownership
☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)

The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).

6. Customer Legal Name *(If an individual, print last name first: eg: Doe, John)* | *If new Customer, enter previous Customer below:*

7. TX SOS/CPA Filing Number	**8. TX State Tax ID** (11 digits)	**9. Federal Tax ID** (9 digits)	**10. DUNS Number** *(if applicable)*

11. Type of Customer:

☐ Corporation ☐ Individual Partnership: ☐ General ☐ Limited
Government: ☐ City ☐ County ☐ Federal ☐ Local ☐ State ☐ Other ☐ Sole Proprietorship ☐ Other:

12. Number of Employees

☐ 0-20 ☐ 21-100 ☐ 101-250 ☐ 251-500 ☐ 501 and higher

13. Independently Owned and Operated?

☐ **Yes** ☐ **No**

14. Customer Role (Proposed or Actual) – *as it relates to the Regulated Entity listed on this form. Please check one of the following*

☐ Owner ☐ Operator ☐ Owner & Operator ☐ Other:
☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant

15. Mailing Address:							
	City		**State**		**ZIP**		**ZIP + 4**

16. Country Mailing Information *(if outside USA)*	**17. E-Mail Address** *(if applicable)*

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
( ) -		( ) -

SECTION III: Regulated Entity Information

21. General Regulated Entity Information *(If 'New Regulated Entity" is selected, a new permit application is also required.)*

☐ New Regulated Entity ☐ Update to Regulated Entity Name ☐ Update to Regulated Entity Information

The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).

22. Regulated Entity Name *(Enter name of the site where the regulated action is taking place.)*

23. Street Address of the Regulated Entity: *(No PO Boxes)*								
	City		State		ZIP		ZIP + 4	
24. County								

If no Street Address is provided, fields 25-28 are required.

25. Description to Physical Location:	

26. Nearest City	State	Nearest ZIP Code

Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).

27. Latitude (N) In Decimal:	30.537692		28. Longitude (W) In Decimal:	-97.849919	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
30	32	15.7	97	50	59.7

29. Primary SIC Code (4 digits)	30. Secondary SIC Code (4 digits)	31. Primary NAICS Code (5 or 6 digits)	32. Secondary NAICS Code (5 or 6 digits)
8211		611110	

33. What is the Primary Business of this entity? *(Do not repeat the SIC or NAICS description.)*

34. Mailing Address:								
	City		State		ZIP		ZIP + 4	
35. E-Mail Address:								

36. Telephone Number	37. Extension or Code	38. Fax Number *(if applicable)*
( ) -		( ) -

39. TCEQ Programs and ID Numbers Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form. See the Core Data Form instructions for additional guidance.

☐ Dam Safety	☐ Districts	☒ Edwards Aquifer	☐ Emissions Inventory Air	☐ Industrial Hazardous Waste
		11-08091001		
☐ Municipal Solid Waste	☐ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS
☐ Sludge	☐ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
☐ Voluntary Cleanup	☐ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:

SECTION IV: Preparer Information

40. Name:	Zhipeng Xing		**41. Title:**	Project Manager
42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**	
(512) 777-4641		( ) -	zxing@halff.com	

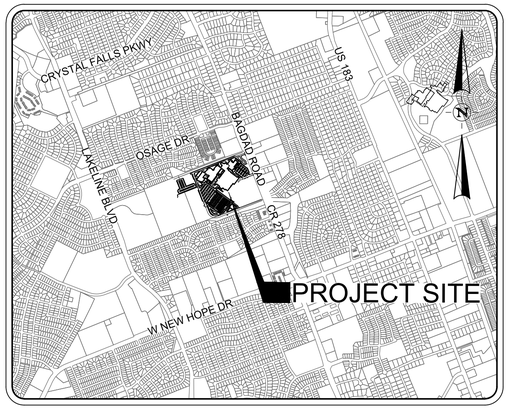
SECTION V: Authorized Signature

46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified in field 39.

Company:	Leander ISD	**Job Title:**	Chief Operations Officer
Name *(In Print):*	Jeremy Trimble	**Phone:**	(512) 570- **415**
Signature:		**Date:**	1/23/24

LEANDER HS MASTER PLAN MODERNIZATION PHASE 2

3301 S. BAGDAD ROAD
LEANDER TEXAS
SD-25-0414



LOCATION MAP

SCALE 1" = 2000'

PROPERTY OWNER

LEANDER INDEPENDENT SCHOOL DISTRICT
P.O. BOX 218
LEANDER, TEXAS 78646-0218
TEL: (512) 570-0000
FAX: (512) 570-0407

ENGINEER

HALFF ASSOCIATES, INC.
13620 BRIARWICK DR., SUITE 100
AUSTIN, TEXAS 78729
CONTACT: ZHIPENG XING, P.E.
EMAIL: ZXING@HALFF.COM
TEL: (512) 777-4600
FIRM/ BUSINESS NO.: #F-312 STATE: TX

SURVEYOR

HALFF ASSOCIATES, INC.
13620 BRIARWICK DR., SUITE 100
AUSTIN, TEXAS 78729
CONTACT: ROBER EGGERS, RPLS
EMAIL: REGGERS@HALFF.COM
TEL: (512) 777-4600
FIRM/ BUSINESS NO.: 10029600 STATE: TX

STRUCTURAL ENGINEER

PICKETT,KELM & ASSOCIATES, INC.
4100 DUVAL ROAD, BLDG.4, SUITE 103
AUSTIN, TEXAS 78759
CONTACT: DAVID M. COLE, P.E.
EMAIL: DCOLE@PKAINC.COM
TEL: (512) 345-5538

LANDSCAPE ARCHITECT

STUDIO 16:19, LLC
305 W LIBERTY, SUITE 100
ROUND ROCK, TEXAS 78664
CONTACT: BRENT BAKER RLA
EMAIL: BRENT@STUDIO1619.COM
TEL: (512) 534-8680

ARCHITECT

PFLUGER
209 E. RIVERSIDE DRIVE
AUSTIN, TX. 78704
CONTACT: JEREMY BARRAGAN
EMAIL: JEREMY.BARRAGAN@PFLUGERARCHITECTS.COM
TEL: (512) 476-4040

MEP

MEP ENGINEERING
1120 S CAPITAL OF TEXAS HWY
BUILDING 1, SUITE 150
AUSTIN, TEXAS 78746
CONTACT: RANDY FUSTON
EMAIL: RFUSTON@MEPENGINEERING.COM
TEL: (512) 306-9650

ASSOCIATED PROJECT NUMBERS

SD-25-0397
FPD-25-0032
SD-24-0197
SD-23-0175
18-SD-035

FUTURE LAND USE CATEGORY

MULTI-USE CORRIDOR & NEIGHBORHOOD RESIDENTIAL

IMPERVIOUS COVER						
	EXISTING (SF)	PH 1A CHANGE SD-23-0175 (SF)	PH 1B CHANGE SD-24-0197/SD-24-0259 (SF)		PH 2 CHANGE SD-XX-XXXX (SF)	PROPOSED (SF)
			REMOVE	ADD		
BUILDING	389,717.44	-323.89	0.00	20,054.94	71,468.54	480,917.03
SIDEWALK	348,040.64	-11,192.39	-29,700.95	11,715.63	27,670.72	346,533.65
PAVEMENT	945,155.32	-11,002.93	-15,552.36	17,402.62	104,882.38	1,040,885.03
TOTAL (SF)	1,682,913.40	-22,519.21	-45,253.31	49,173.19	204,021.64	1,868,335.71
TOTAL (AC)	38.63	-0.52	-1.04	1.13	4.68	42.89
EXISTING IC IS BASED ON SITE CONDITION ON 1/1/2024						
EXISTING FISH POND LINER REMOVAL ADDED TO SIDEWALK REMOVAL NUMBERS IN PHASE 1B						

SURVEYED DATE:

JUNE 16, 2025

BENCHMARK(S):

SURFACE COORDINATES

	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	10167138.57	3076215.84	1004.72	SET 1/2IN IRON ROD W/ HALFF CAP
2	10168156.26	3078756.84	992.92	SET 1/2IN IRON ROD W/ HALFF CAP
3	10167870.52	3077275.76	1003.72	SET 1/2IN IRON ROD W/ HALFF CAP

LEGAL DESCRIPTION:

90 ACRES IN THE S. J. DOVER SURVEY IN THE CITY OF LEANDER, WILLIAMSON COUNTY, TEXAS. UN-PLATTED CONSISTING OF:
60 ACRES CONVEYED TO LEANDER ISD ACCORDING TO A 1981 DEED PER VOLUME 849, PAGE 600 OPRWCT. AND
30 ACRES CONVEYED TO LEANDER ISD ACCORDING TO A 1994 DEED PER VOLUME 2548, PAGE 817 OPRWCT.

PROPERTY LOCATION:

LEANDER HIGH SCHOOL:
3301 S. BAGDAD ROAD
LEANDER, TEXAS 78641

ZONING:

SFU-2-B

TYPE OF CONSTRUCTION:

BUILDING EXPANSION, PAVEMENT RECONFIGURATION, WATER QUALITY POND

REVISION #	DESCRIPTION, SHEETS, REV. (R), ADD. (A)	APPROVAL

NOTES

DESIGN REFERENCE NOTE:

HALFF ASSUMES NO LIABILITY FOR ANY DESIGN DRAWINGS IN THESE PLANS, THAT ARE NOT SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED WITH THE TEXAS BOARD OF PROFESSIONAL ENGINEERS AS A MEMBER OF THIS FIRM (TBPELS FIRM #F-312). OTHER CONSULTANT'S WORK SHOWN IN THESE PLANS IS THE RESPONSIBILITY OF THE CONSULTANT WHO PREPARED SUCH WORK, AND IS INCLUDED IN THIS PLAN SET FOR REVIEW REQUIREMENTS ONLY.

SITE PLAN COMPONENTS - ALL STRUCTURAL DESIGNS SHOWN HEREON ARE FOR CONCEPTUAL PURPOSES ONLY. HALFF IS NOT RESPONSIBLE OR LIABLE FOR THE DESIGN OF STRUCTURAL DESIGNS.

PAVEMENT DESIGN - PAVEMENT DESIGN SHOWN HEREON IS THE DESIGN OF RABA KISTNER, THE GEOTECHNICAL CONSULTANT. HALFF MAKES NO WARRANTY OR GUARANTEE AS TO ITS SUITABILITY, AND ASSUMES NO LIABILITY THEREFORE.

SURVEYOR
1. MAKES NO EXPRESS OR IMPLIED WARRANTIES AS TO THE FEE OWNERSHUP OF THE PROPERTY SHOWN.
2. NO SUBSURFACE UTILITY INVESTIGATION WAS PERFORMED BY HALFF FOR THE BENEFIT OF THIS SURVEY.
3. BEARINGS AND DIRECTIONAL CONTROL BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE (TX83-CF)

DISCLAIMER:

THE SEAL(S) APPEARING ON THIS CONSTRUCTION SET WERE AUTHORIZED BY:
ZHIPENG XING, P.E. (127763),
ON 1/28/2026.

ALTERATION OF SEALED DOCUMENTS WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT. THE RECORD COPY OF THIS DRAWING IS ON FILE AT THE OFFICES OF:

HALFF ASSOCIATES, INC
13620 BRIARWICK DR., SUITE 100
AUSTIN, TEXAS 78729
FIRM / BUSINESS NO.: #F-312 STATE: TX

SUBMITTED FOR APPROVAL BY:

STATE OF TEXAS
ZHIPENG XING, P.E.
127763
LICENSED
PROFESSIONAL ENGINEER
1/28/2026

ENGINEER OF RECORD

I, ZHIPENG XING, P.E., P.E., DO HEREBY CONFIRM THAT ANY NEW PUBLIC WORKS AND DRAINAGE IMPROVEMENTS DESCRIBED HEREIN, HAVE BEEN DESIGNED IN COMPLIANCE WITH THE STORMWATER DRAINAGE POLICY ADOPTED BY THE CITY OF LEANDER.

THE ENGINEER OF RECORD IS SOLELY RESPONSIBLE FOR THE COMPLETENESS, ACCURACY, REGULATORY COMPLIANCE, AND ADEQUACY OF THESE PLANS AND/OR SPECIFICATIONS WHETHER OR NOT THE PLANS AND/OR SPECIFICATIONS WERE REVIEWED BY THE CITY ENGINEER(S).

APPROVED BY:

Robin M. Griffin, AICP, Executive Director of Development Services — Date

Emily Truman, P.E. CFM, City Engineer — Date

Ashlea Boyle, MPA, CPRE, Director of Parks and Recreation — Date

Chief Joshua Davis, Fire Marshal — Date

AVO: 53112.009 DATE: January, 2026

811 Know what's below. Call before you dig.

THE INFORMATION SHOWN ON THESE DRAWINGS INDICATING SIZE, TYPE AND LOCATION OF UNDERGROUND, SURFACE, AND AERIAL UTILITIES IS NOT GUARANTEED TO BE EXACT OR COMPLETE. THE CONTRACTOR SHALL CONTACT THE CITY OF LEANDER AREA "ONE CALL" SYSTEM AT 1-800-344-8377 (DIG TESS) 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION FOR EXISTING UTILITY LOCATIONS. THE CONTRACTOR SHALL ALSO BE FULLY RESPONSIBLE FOR FIELD VERIFYING LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES AFFECTED BY CONSTRUCTION FOR THIS PROJECT IN ORDER TO AVOID DAMAGING THOSE UTILITIES, AND SHALL IMMEDIATELY ARRANGE FOR REPAIR AND RESTORATION OF CONTRACTOR-DAMAGED UTILITIES TO THE UTILITY COMPANY'S APPROVAL AT THE EXPENSE OF THE CONTRACTOR.

PREPARED BY:

halff

13620 BRIARWICK DR., SUITE 100
AUSTIN, TEXAS 78729
TEL. (512) 777-4600
www.halff.com

COVER

1 OF 104

SD-25-____

LEANDER HS MASTER PLAN MODERNIZATION PHASE 2

FILE NAME: A:\53000s\53112\009\PW\CADD\Sheets\C-PLAN-COVR-53112.09.dwg DATE: January 28, 2026, TIME: 9:24 AM, USER: ah3305 AVO: 53112.009

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LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
LEANDER TEXAS
SD- -____

LEANDER I.S.D.
204 W. SOUTH ST.
LEANDER TEXAS

halff
13620 BRIARWICK DR., SUITE 100
AUSTIN, TEXAS 78729
TEL: (512) 777-4600

REVISION

NO.	DATE	DESCRIPTION

STATE OF TEXAS
ZHIPENG XING, P.E.
127763
LICENSED
PROFESSIONAL ENGINEER
1/28/2026

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY ZHIPENG XING, P.E. LIC. # 127763

I CERTIFY THAT THESE DRAWINGS ARE COMPLETE, ACCURATE AND ADEQUATE FOR THEIR INTENDED PURPOSES, INCLUDING CONSTRUCTION, BUT ARE NOT AUTHORIZED FOR CONSTRUCTION UNTIL FORMAL CITY APPROVAL.

PROJECT NO.:	53112.009
ISSUED:	1/28/2026
DRAWN BY:	--
CHECKED BY:	--
SCALE:	NA

SHEET TITLE

SHEET INDEX

FILE NAME: A:\53000s\5311\2009\PWCADDSheets\C-PLAN-COVR-53112.09.dwg DATE: January 28, 2026, TIME: 9:24 AM, USER: ah3305 AVO: 53112.002

LEANDER INDEPENDENT SCHOOL DISTRICT
GENERAL CONSTRUCTION NOTES:

1. CONTRACTOR TO FIELD VERIFY LOCATIONS OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.
2. ALL CONSTRUCTION SHALL COMPLY WITH GOVERNING ORDINANCES, CODES AND LAWS.
3. THE CONTRACTOR SHALL COMPLY WITH OSHA REGULATIONS AS THEY APPLY TO THE SITE WORK.
4. ALL GRADES ARE SHOWN TO FINISHED GRADE. TO DETERMINE SUBGRADE, SUBTRACT APPROPRIATE AMOUNT OF TOPSOIL, BASE, PAVEMENT, ETC. (SEE DETAILS AND SPECIFICATIONS)
5. ALL TESTING OF UTILITIES SHALL BE CONDUCTED IN THE SAME MANNER AS PUBLIC IMPROVEMENTS REQUIREMENTS AND RESULTS SUBMITTED TO ENGINEER AND OWNER. NO UTILITY SHALL BE USED UNTIL SUCH TESTS ARE PASSED. THESE TESTS INCLUDE, BUT ARE NOT LIMITED TO, WASTEWATER LINE MANDREL TESTING, WASTEWATER AIR TESTING, MANHOLE VACUUM TESTING, WATER LINE PRESSURE TESTING, FIRE HYDRANT TESTING, ANTI-BACTERIAL TESTING, TRENCH DENSITY TESTING.
6. ALL DENSITY TESTING OF COMPACTED SOILS SHALL BE CONDUCTED AS PER THE CITY OF AUSTIN STANDARD SPECIFICATIONS AND AS RECOMMENDED BY GEOTECHNICAL ENGINEER. TESTING RESULTS SHALL BE SUBMITTED TO ENGINEER AND OWNER.
7. ALL CONCRETE COMPRESSION, TENSILE, AND SLUMP TESTING SHALL BE CONDUCTED IN ACCORDANCE WITH THE CITY OF AUSTIN STANDARD SPECIFICATIONS AND AS RECOMMENDED BY GEOTECHNICAL ENGINEER. TESTING RESULTS SHALL BE SUBMITTED TO ENGINEER AND OWNER.
8. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL SEDIMENTATION & EROSION CONTROL DEVICES WHEN AHTHORIZED BY THE ENGINEER. SOME OF THESE DEVICES MAY NEED TO REMAIN IN PLACE AFTER THE CONTRACTOR HAS LEFT THE PROJECT. THE CONTRACTOR WILL BE REQUIRED TO REMOVE THESE DEVICES AT NO ADDITIONAL COST WHEN AUTHORIZED BY THE ENGINEER.
9. AN AUTOCAD FILE WILL BE PROVIDED BY HALFF ASSOCIATES TO THE CONTRACTOR FOR LAYOUT PURPOSES.

CITY OF LEANDER GENERAL NOTES (REVISED JULY 22, 2024)

CITY CONTACTS:
ENGINEERING MAIN LINE: 512-528-2721
PLANNING DEPARTMENT: 512-528-2750
PUBLIC WORKS MAIN LINE: 512-259-2640
STORMWATER INSPECTIONS: 512-285-0055
UTILITIES MAIN LINE: 512-259-1142
UTILITIES ON-CALL: 512-690-4760

PEC CONTACTS:
PUBLIC SAFETY LINE: 1-888-343-7702
CUSTOMER OUTAGE LINE: 1-800-396-9037

GENERAL:

1. CONTRACTORS SHALL HAVE AN APPROVED SET OF PLANS WITH APPROVED REVISIONS ON SITE AT ALL TIMES. FAILURE TO HAVE APPROVED PLANS ON SITE MAY RESULT IN ISSUANCE OF WORK STOPPAGE.
2. CONTACT 811 SYSTEM FOR EXISTING WATER AND WASTEWATER LOCATIONS 48 HOURS PRIOR TO CONSTRUCTION.
   a. **REFRESH ALL LOCATES *BEFORE* 14 DAYS -** LOCATE REFRESH REQUESTS MUST INCLUDE A COPY OF YOUR 811 TICKET. TEXAS PIPELINE DAMAGE PREVENTION LAWS REQUIRE THAT A LOCATE REFRESH REQUEST BE SUBMITTED BEFORE 14 DAYS, OR IF LOCATION MARKERS ARE NO LONGER VISIBLE.
   b. **REPORT PIPELINE DAMAGE IMMEDIATELY -** IF YOU WITNESS OR EXPERIENCE PIPELINE EXCAVATION DAMAGE, PLEASE CONTACT THE CITY OF LEANDER BY PHONE AT 512-259-2640.
3. THE CONTRACTOR SHALL CONTACT THE CITY INSPECTOR 48 HOURS BEFORE:
   a. BEGINNING EACH PHASE OF CONSTRUCTION. CONTACT ASSIGNED CITY INSPECTOR.
   b. ANY TESTING. CONTRACTOR SHALL PROVIDE QUALITY TESTING FOR ALL INFRASTRUCTURES TO BE ACCEPTED AND MAINTAINED BY THE CITY OF LEANDER AFTER COMPLETION.
   c. PROOF ROLLING SUB-GRADE AND EVERY LIFT OF ROADWAY EMBANKMENT, IN-PLACE DENSITY TESTING OF EVERY BASE COURSE, AND ASPHALT CORES. ALL OF THIS TESTING MUST BE WITNESSED BY A CITY OF LEANDER REPRESENTATIVE.
   d. CONNECTING TO THE EXISTING WATER LINES.
   e. THE INSTALLATION OF ANY DRAINAGE FACILITY WITHIN A DRAINAGE EASEMENT OR STREET ROW. THE METHOD OF PLACEMENT AND COMPACTION OF BACKFILL IN THE CITY'S ROW MUST BE APPROVED PRIOR TO THE START OF BACKFILL OPERATIONS.
4. ALL RESPONSIBILITILY FOR THE ACCURACY OF THESE PLANS REMAINS WITH THE ENGINEER OF RECORD WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY MUST RELY ON THE ADEQUACY OF THE WORK OF THE ENGINEER OF RECORD.
5. **EXCESS SOIL SHALL BE REMOVED AT THE CONTRACTOR'S EXPENSE. NOTIFY THE CITY OF LEANDER IF THE DISPOSAL SITE IS INSIDE THE CITY'S JURISDICTIONAL BOUNDARIES.**
6. BURNING IS PROHIBITED.
7. NO WORK IS TO BE PERFORMED BETWEEN THE HOURS OF 9:00 P.M. AND 7:00 A.M. OR WEEKENDS. THE CITY INSPECTOR RESERVES THE RIGHT TO REQUIRE THE CONTRACTOR TO UNCOVER ALL WORK PERFORMED WITHOUT INSPECTION.
8. CONTACT THE CITY INSPECTOR 4 DAYS PRIOR TO WORK FOR APPROVAL TO SCHEDULE ANY INSPECTIONS ON WEEKENDS OR CITY HOLIDAYS.
9. NO BLASTING IS ALLOWED.
10. ANY CHANGES OR REVISIONS TO THESE PLANS MUST FIRST BE SUBMITTED TO THE CITY BY THE DESIGN ENGINEER FOR REVIEW AND WRITTEN APPROVAL PRIOR TO CONSTRUCTION OF THE REVISION. ALL CHANGES AND REVISIONS SHALL USE REVISION CLOUDS TO HIGHLIGHT ALL REVISIONS AND CHANGES WITH EACH SUBMITTAL. REVISION TRIANGLE MARKERS AND NUMBERS SHALL BE USED TO MARK REVISIONS. ALL CLOUDS AND TRIANGLE MARKERS FROM PREVIOUS REVISIONS MUST BE REMOVED. REVISION INFORMATION SHALL BE UPDATED ON COVER SHEET AND AFFECTED PLAN SHEET TITLE BLOCK.
11. THE CONTRACTOR AND ENGINEER SHALL KEEP ACCURATE RECORDS OF ALL CONSTRUCTION THAT DEVIATES FROM THE PLANS. THE ENGINEER SHALL FURNISH THE CITY OF LEANDER ACCURATE "RECORD DRAWINGS" FOLLOWING THE COMPLETION OF ALL CONSTRUCTION. THESE "RECORD DRAWINGS" SHALL MEET THE SATISFACTION OF THE ENGINEERING DEPARTMENTS PRIOR TO FINAL ACCEPTANCE.
12. THE CONTRACTOR WILL REIMBURSE THE CITY FOR ALL REPAIR AND/OR COST INCURRED AS A RESULT OF ANY DAMAGE TO ANY PUBLIC INFRASTRUCTURE WITHIN CITY EASEMENT OR PUBLIC RIGHT-OF-WAY, REGARDLESS OF THESE PLANS.
13. WHEN CONSTRUCTION IS BEING CARRIED OUT WITHIN EASEMENTS, THE CONTRACTOR SHALL CONFINE HIS WORK TO WITHIN THE PERMANENT AND TEMPORARY EASEMENTS. PRIOR TO ACCEPTANCE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL TRASH AND DEBRIS WITHIN THE PERMANENT EASEMENTS. CLEANUP SHALL BE TO THE SATISFACTION OF THE ENGINEER OF RECORD AND CITY.
14. CONTRACTOR TO LOCATE, PROTECT, AND MAINTAIN BENCHMARKS, MONUMENTS, CONTROL POINTS AND PROJECT ENGINEERING REFERENCE POINTS. RE-ESTABLISH DISTURBED OR DESTROYED ITEMS BY REGISTERED PROFESSIONAL LAND SURVEYOR IN THE STATE OF TEXAS, AT NO ADDITIONAL COST TO THE PROPERTY OWNER.
15. ALL CONSTRUCTION OPERATIONS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH APPLICABLE REGULATIONS OF THE U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA). OSHA STANDARDS MAY BE PURCHASED FROM THE GOVERNMENT PRINTING OFFICE; INFORMATION AND RELATED REFERENCE MATERIALS MAY BE PURCHASED FROM OSHA, 1033 LA POSADA DR. SUITE 375, AUSTIN, TEXAS 78752-3832.
16. ALL MANHOLE FRAMES/COVERS AND WATER VALVE/METER BOXES MUST BE ADJUSTED TO FINISHED GRADE AT THE OWNER'S EXPENSE BY THE CONTRACTOR FOR CITY CONSTRUCTION INSPECTOR INSPECTION. ALL UTILITY ADJUSTMENTS SHALL BE COMPLETED PRIOR TO FINAL PAVING. CONTRACTOR SHALL BACKFILL AROUND MANHOLES AND VALVE BOXES WITH CLASS A CONCRETE.
17. ALL MATERIALS AND CONSTRUCTION PROCEDURES WITHIN THE SCOPE OF THIS CONTRACT WHERE NOT SPECIFICALLY COVERED IN THE PROJECT SPECIFICATIONS SHALL CONFORM TO ALL CITY OF LEANDER DETAILS AND CITY OF AUSTIN STANDARD SPECIFICATIONS.
18. PROJECT SPECIFICATIONS TAKE PRECEDENCE OVER PLANS AND SPECIAL CONDITIONS GOVERN OVER TECHNICAL SPECIFICATIONS.
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL PERMITS, TESTS, APPROVALS AND ACCEPTANCES REQUIRED TO COMPLETE CONSTRUCTION OF THIS PROJECT.
20. THE CONTRACTOR MUST OBTAIN A CONSTRUCTION WATER METER FOR ALL WATER USED DURING CONSTRUCTION. A COPY OF THIS PERMIT MUST BE CARRIED AT ALL TIMES BY ALL WHO USE WATER.
21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ROADS AND DRIVES ADJACENT TO AND NEAR THE SITE FREE FROM SOIL, SEDIMENT AND DEBRIS. CONTRACTOR WILL NOT REMOVE SOIL, SEDIMENT OR DEBRIS FROM ANY AREA OR VEHICLE BY MEANS OF WATER. ONLY SHOVELING AND SWEEPING WILL BE ALLOWED. THE CONTRACTOR WILL BE RESPONSIBLE FOR DUST CONTROL FROM THE SITE. THE CONTRACTOR SHALL KEEP THE SITE AREA CLEAN AND MAINTAINED AT ALL TIMES, TO THE SATISFACTION OF THE CITY. THE SUBDIVISION (OR SITE) WILL NOT BE ACCEPTED (OR CERTIFICATE OF OCCUPANCY ISSUED) UNTIL THE SITE HAS BEEN CLEANED TO THE SATISIFACTION OF THE CITY.
22. TREES IN EXISTING ROW SHOULD BE PROTECTED OR NOTED IN THE PLANS TO BE REMOVED.

CONSTRUCTION SEQUENCE NOTES

- REACH OUT TO THE CITY FOR PRE-CONSTRUCTION MEETING AND CONSTRUCTION PERMIT.
- INSTALL SEDIMENTATION & EROSION CONTROL PROTECTION DEVICES AND TREE PROTECTION AS SHOW ON PLANS. THIS INCLUDES ROUTINE MAINTENANCE OF CONTROLS PER GOVERNING REGULATIONS AND THE STORM WATER POLLUTION PREVENTION PLAN. REACH OUT TO THE CITY FOR INSPECTION.
- INSTALL ALL WET AND DRY UTILITY LINES. TEST ALL UTILITY LINES IN ACCORDANCE WITH THE ADOPTED SPECIFICATIONS, AND COORDINATE WITH CITY OR THIRD PARTY ON INSPECTION.
- BEGIN SITE CLEARING, GRADING, AND BUILDING PAD PREPARATION.
- CONSTRUCT SITE RETAINING WALLS.
- CONSTRUCT WATER QUALITY POND AND DETENTION POND EXPANSION.
- CONSTRUCT SIDEWALKS AND PAVEMENTS, INCLUDING DRIVE AISLES, PARKING STALLS, AND FIRE LANES. STRIPE PARKING AND FIRE LANES.
- CONSTRUCT PRACTICE FIELD AND BAND PAD.
- BEGIN BUILDING FOUNDATION CONSTRUCTION.
- BEGIN BUILDING CONSTRUCTION.
- COORDINATE CONSTRUCTION WITH OTHER CONTRACTORS ONSITE TO PREVENT ACCIDENTS, RESOLVE CONFLICTS WITH OTHER UTILITIES, AND FACILITATE THE SMOOTH PROGRESS OF THE PROJECT. COORDINATE WITH ARCHITECT AND ENGINEER AS NEEDED FOR ROUTINE PROGRESS MEETINGS ON SITE AND COMMUNICATE REQUESTS FOR INFORMATION (RFI) AS NEEDED TO RESOLVE QUESTIONS, PROBLEMS, OR POTENTIAL PROBLEMS AS THEY MAY ARISE.
- MAINTAIN ACCURATE AS-BUILTS AND PROVIDE FOR THE TESTING OF MATERIALS AND INSTALLATION PER SPECIFICATIONS.
- RESTORE ALL DISTURBED AREAS AND CLEAN UP SITE PER FINAL ACCEPTANCE NOTE BELOW. SEE PERMANENT EROSION CONTROL NOTES.
- WHEN DIRECTED BY ENGINEER, REMOVE SILT FENCES, TREE PROTECTION FENCING, INLET PROTECTION, ROCK BERMS, AND TEMPORARY IRRIGATION FROM SITE. THIS MAY REQUIRE THE CONTRACTOR TO RETURN TO THIS PROJECT AFTER HE HAS BEEN RELEASED BY LISD.
- PRIOR TO FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE FROM THE ENTIRE SITE ANY DEBRIS WHICH MAY BECOME A HAZARD FOR L.I.S.D. LAWN-MOWING EQUIPMENT. CONTRACTOR SHALL CONTACT JERAMI HARRIS AT L.I.S.D. AT 512-570-0644 OR JERAMI.HARRIS@LEANDERISD.ORG, TO SECURE INSPECTION AND APPROVAL. THIS INCLUDES SCRUB CEDAR TREES, ROCKS, AND SMALL BRUSH.
- REQUEST FINAL WALK THROUGH AND CONDUCT WALK THROUGH WITH ENGINEER OF RECORD AND CITY DEPARTMENT.

EROSION CONTROL NOTES

1. THE CONTRACTOR IS REQUIRED TO INSPECT THE CONTROLS AND FENCES AT WEEKLY INTERVALS AND AFTER SIGNIFICANT RAINFALL EVENTS TO ENSURE THAT THEY ARE FUNCTIONING PROPERLY. THE CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF CONTROLS AND FENCES AND SHALL IMMEDIATELY MAKE ANY NECESSARY REPAIRS TO DAMAGED AREAS. SILT ACCUMULATION AT CONTROLS MUST BE REMOVED WHEN THE DEPTH REACHES SIX (6) INCHES.
2. THE TEMPORARY SPOILS DISPOSAL SITE IS TO BE SHOWN IN THE EROSION CONTROL MAP.
3. ANY ON-SITE SPOILS DISPOSAL SHALL BE REMOVED PRIOR TO ACCEPTANCE UNLESS SPECIFICALLY SHOWN ON THE PLANS. THE DEPTH OF SPOIL SHALL NOT EXCEED 10 FEET IN ANY AREA.
4. ALL AREAS DISTURBED OR EXPOSED DURING CONSTRUCTION SHALL BE RESTORED WITH A MINIMUM OF 6 INCHES OF TOPSOIL AND COMPOST BLEND. TOPSOIL ON SINGLE FAMILY LOTS MAY BE INSTALLED WITH HOME CONSTRUCTION. THE TOPSOIL AND COMPOST BLEND SHALL CONSIST OF 75% TOPSOIL AND 25% COMPOST.
5. SEEDING FOR REESTABLISHING VEGETATION SHALL COMPLY WITH THE AUSTIN GROW GREEN GUIDE OR WILLIAMSON COUNTY'S PROTOCOL FOR SUSTAINABLE ROADSIDES (SPEC 164--WC001 SEEDING FOR EROSION CONTROL). RESEEDING VARIETIES OF BERMUDA SHALL NOT BE USED.
6. STABILIZED CONSTRUCTION ENTRANCE IS REQUIRED AT ALL POINTS WHERE CONSTRUCTION TRAFFIC IS EXITING THE PROJECT ONTO EXISTING PAVEMENT. LINEAR CONSTRUCTION PROJECTS MAY REQUIRE SPECIAL CONSIDERATION. ROADWAYS SHALL REMAIN CLEAR OF SILT AND MUD.
7. TEMPORARY STOP SIGNS SHOULD BE INSTALLED AT ALL CONSTRUCTION ENTRANCES WHERE A STOP CONDITION DOES NOT ALREADY EXIST.
8. IN THE EVENT OF INCLEMENT WEATHER THAT MAY RESULT IN A FLOODING SITUATION, THE CONTRACTOR SHALL REMOVE INLET PROTECTION MEASURES UNTIL SUCH TIME AS THE WEATHER EVENT HAS PASSED.

WATER AND WASTEWATER NOTES

WATER AND WASTEWATER GENERAL NOTES

1. ALL NEWLY INSTALLED PIPES AND RELATED PRODUCTS MUST CONFORM TO AMERICAN NATIONAL STANDARDS INSTITUTE/NATIONAL SANITATION FOUNDATION (ANSI/NSF) STANDARD 61 AND MUST BE CERTIFIED BY AND ORGANIZATION ACCREDITED BY ANSI.
2. ALL WATER SERVICE, WASTEWATER SERVICE AND VALVE LOCATIONS SHALL BE APPROPRIATELY STAMPED AS FOLLOWS:
   WATER SERVICE "W" ON TOP OF CURB
   WASTEWATER SERVICE "S" ON TOP OF CURB
   VALVE "V" ON TOP OF CURB
3. ~~OPEN UTILITIES SHALL NOT BE PERMITTED ACROSS THE EXISTING PAVED SURFACES. WATER AND WASTEWATER LINES ACROSS THE EXISTING PAVED SURFACES SHALL BE BORED AND INSTALLED IN STEEL ENCASEMENT PIPES. BELL RESTRAINTS SHALL BE PROVIDED AT JOINTS.~~
4. INTERIOR SURFACES OF ALL DUCTILE IRON POTABLE OR RECLAIMED WATER PIPE SHALL BE CEMENT-MORTAR LINED AND SEAL COATED AS REQUIRED BY AWWA C104.
5. SAND, AS DESCRIBED IN AUSTIN SPECIFICATION ITEM 510 PIPE, SHALL NOT BE USED AS BEDDING FOR WATER AND WASTEWATER LINES. ACCEPTABLE BEDDING MATERIALS ARE PIPE BEDDING STONE, PEA GRAVEL AND IN LIEU OF SAND, A NATURALLY OCCURRING OR MANUFACTURED STONE MATERIAL CONFORMING TO ASTM C33 FOR STONE QUALITY AND MEETING THE FOLLOWING GRADATION SPECIFICATION:

SIEVE SIZE	PERCENT RETAINED BY WEIGHT
1/2"	0
3/8"	0-2
#4	40-85
#10	95-100

6. DENSITY TESTING FOR TRENCH BACKFILL SHALL BE DONE IN MAXIMUM 12" LIFTS.

WATER

1. SAMPLING TAPS SHALL BE BROUGHT UP TO 3 FEET ABOVE GRADE AND SHALL BE EASILY ACCESSIBLE FOR CITY PERSONNEL. AT THE CONTRACTORS' REQUEST, AND IN HIS PRESENCE, SAMPLES FOR BACTERIOLOGICAL TESTING WILL BE COLLECTED BY THE CITY OF LEANDER NOT LESS THAN 24 HOURS AFTER THE TREATED LINE HAS BEEN FLUSHED OF THE CONCENTRATED CHLORINE SOLUTION AND CHARGED WITH WATER APPROVED BY THE CITY.
2. CITY PERSONNEL WILL OPERATE OR AUTHORIZE THE CONTRACTOR TO OPERATE ALL WATER VALVES THAT WILL PASS THROUGH THE CITY'S POTABLE WATER. THE CONTRACTOR MAY BE FINED $500 OR MORE, INCLUDING ADDITIONAL THEFT OF WATER FINES, IF A WATER VALVE IS OPERATED IN AN UNAUTHORIZED MANNER, REGARDLESS OF WHO OPERATED THE VALVE.
3. THE CONTRACTOR IS HEREBY NOTIFIED THAT CONNECTING TO, SHUTTING DOWN, OR TERMINATING EXISTING UTILITY LINES MAY HAVE TO OCCUR AT OFF-PEAK HOURS. SUCH HOURS ARE USUALLY OUTSIDE NORMAL WORKING HOURS AND POSSIBLY BETWEEN 12 AM AND 6 AM AFTER COORDINATING WITH CITY CONSTRUCTION INSPECTORS AND INFORMING AFFECTED PROPERTIES.
4. PRESSURE TAPS OR HOT TAPS SHALL BE IN ACCORDANCE WITH CITY OF LEANDER STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL PERFORM ALL EXCAVATION AND SHALL FURNISH, INSTALL AND AIR TEST THE SLEEVE AND VALVE. A CITY OF LEANDER INSPECTOR MUST BE PRESENT WHEN THE CONTRACTOR MAKES A TAP, AND/OR ASSOCIATED TESTS. A MINIMUM OF TWO (2) WORKING DAYS NOTICE IS REQUIRED. "SIZE ON SIZE" TAPS SHALL NOT BE PERMITTED UNLESS MADE BY THE USE OF AN APPROVED FULL-CIRCLE GASKETED TAPPING SLEEVE. CONCRETE THRUST BLOCKS SHALL BE PLACED BEHIND AND UNDER ALL TAP SLEEVES A MINIMUM OF 24 HOURS PRIOR TO THE BRANCH BEING PLACED INTO SERVICE. THRUST BLOCKS SHALL BE INSPECTED PRIOR TO BACKFILL.
5. FIRE HYDRANTS ON MAINS UNDER CONSTRUCTION SHALL BE SECURELY WRAPPED WITH A BLACK POLY WRAP BAG AND TAPED INTO PLACE. THE POLY WRAP SHALL BE REMOVED WHEN THE MAINS ARE ACCEPTED AND PLACED INTO SERVICE.
6. ~~THRUST BLOCKS OR RESTRAINTS SHALL BE IN ACCORDANCE WITH THE CITY OF LEANDER STANDARD SPECIFICATIONS AND REQUIRED AT ALL FITTINGS PER DETAIL OR MANUFACTURER'S RECOMMENDATION. ALL FITTINGS SHALL HAVE BOTH THRUST BLOCKS AND RESTRAINTS.~~ ALL NEWLY INSTALLED WATER PIPES AND FITTINGS SHALL BE FULLY RESTRAINED WITH MEGA LUG OR APPROVED EQUAL.
7. ALL DEAD END WATER MAINS SHALL HAVE "FIRE HYDRANT ASSEMBLY" OR "BLOW-OFF VALVE AND THRUST BLOCK" OR "BLOW-OFF VALVE AND THRUST RESTRAINTS". THRUST RESTRAINTS SHALL BE INSTALLED ON THE MINIMUM LAST THREE PIPE LENGTHS (STANDARD 20' LAYING LENGTH). ADDITIONALL THRUST RESTRAINTS MAY BE REQUIRED BASED UPON THE MANUFACTURERS RECOMMENDATION AND/OR ENGINEER'S DESIGN.
8. PIPE MATERIAL FOR PUBLIC WATER MAINS SHALL BE PVC (AWWA C900-DR14 MIN. 305 PSI PRESSURE RATING). WATER SERVICES (2" OR LESS) SHALL BE POLYETHYLENE TUBING (BLACK, 200PSI, AND SDR-(9)). COPPER PIPES AND FITTINGS ARE NOT ALLOWED IN THE PUBLIC RIGHT OF WAY. ALL PLASTIC PIPES FOR USE IN PUBLIC WATER SYSTEMS MUST BEAR THE NATIONAL SANITATION FOUNDATION SEAL OF APPROVAL (NSF-PW).
9. ALL FIRE HYDRANT LEADS SHALL BE DUCTILE IRON PIPE (AWWA C115/C151 PRESSURE CLASS 350).
10. ALL IRON PIPE AND FITTINGS SHALL BE WRAPPED WITH MINIMUM 8-MIL POLYETHYLENE.
11. LINE FLUSHING OR ANY ACTIVITY USING A LARGE QUANTITY OF WATER MUST BE COORDINATED WITH THE PUBLIC WORKS DEPARTMENT.
12. ALL WATER METER BOXES SHALL BE:
    a. SINGLE, 1" METER AND BELOW — DFW37F-12-1CA, OR EQUAL
    b. DUAL, 1" METERS AND BELOW — DFW39F-12-1CA, OR EQUAL
    c. 1.5" SINGLE METER — DFW65C-14-1CA, OR EQUAL
    d. 2" SINGLE METER — DFW1730F-12-1CA, OR EQUAL
13. ALL WATER VALVE COVERS ARE TO BE PAINTED BLUE.

WASTEWATER

1. CURVILINEAR WASTEWATER DESIGN LAYOUT IS NOT PERMITTED.
2. MANDREL TESTING SHALL BE CONDUCTED AFTER THE FINAL BACKFILL HAS BEEN IN PLACE AT LEAST 30 DAYS.
3. MANHOLES SHALL BE COATED PER CITY OF AUSTIN SPL WW-511 (RAVEN 405 OR SPRAYWALL). PENETRATIONS TO EXISTING WASTEWATER MANHOLES REQUIRE THE CONTRACTOR TO RECOAT THE ENTIRE MANHOLE IN ACCORDANCE WITH CITY OF AUSTIN STANDARD SPECIFICATIONS SECTION NO. 506.5.
4. RECLAIMED AND RECYCLED WATER LINE SHALL BE CONSTRUCTED OF "PURPLE PIPE," ALL RECLAIMED AND RECYCLED WATER VALVE COVERS SHALL BE SQUARE AND PAINTED PURPLE.
5. FORCE MAIN PIPES NEED TO HAVE SWEEPING WYES AND JOINTS.

STREET AND DRAINAGE NOTES

1. THE CITY OF LEANDER HAS NOT REVIEWED THESE PLANS FOR COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA). IT IS THE RESPONSIBILITY OF THE OWNER TO PROVIDE COMPLIANCE WITH ALL LEGISTATION RELATED TO ACCESSIBLITY WITHIN THE LIMITS OF CONSTRUCTION SHOWN IN THESE PLANS. ALL SIDEWALKS SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT AND TEXAS ACCESSIBILITY STANDARS (TAS).
2. BACKFILL BEHIND THE CURB SHALL BE COMPACTED TO OBTAIN A MINIMUM OF 95% MAXIMUM DENSITY TO WITHIN 6" OF TOP OF CURB. MATERIAL USED SHALL BE PRIMARILY GRANULAR WITH NO ROCKS LARGER THAN 6" IN THE GREATEST DIMENSION. THE REMAINING 6" SHALL BE CLEAN TOPSOIL FREE FROM ALL CLODS AND SUITABLE FOR SUSTAINING PLANT LIFE.
3. A MINIMUM OF 6" OF TOPSOIL SHALL BE PLACED BETWEEN THE CURB AND RIGHT-OF-WAY AND IN ALL DRAINAGE CHANNELS EXCEPT CHANNELS CUT IN STABLE ROCK.
4. DEPTH OF COVER FOR ALL CROSSINGS UNDER PAVEMENT, INCLUDING GAS, ELECTRIC TELEPHONE, CABLE TV, ETC., SHALL BE A MINIMUM OF 36" BELOW SUBGRADE.
5. STREET RIGHT-OF-WAY SHALL BE GRADED AT A SLOPE OF ¼" PER FOOT TOWARD THE CURB UNLESS OTHERWISE INDICATED.
6. ALL DRAINAGE PIPE IN PUBLIC RIGHT OF WAY OR EASEMENTS SHALL BE REINFORCED CONCRETE PIPE MINIMUM CLASS III OF TONGUE AND GROOVE OR O-RING JOINT DESIGN. CORRUGATED METAL PIPE IS NOT ALLOWED IN PUBLIC RIGHT OF WAY OR EASEMENTS.
7. THE CONTRACTOR MUST PROVIDE A PNEUMATIC TRUCK PER TXDOT SPEC FOR PROOF ROLLING. 8. ALL STRIPING, WITH THE EXCEPTION OF STOP BARS, CROSS WALKS, WORDS AND ARROWS, IS TO BE TYPE II (WATER BASED). STOP BARS, CROSS WALKS, WORDS AND ARROWS REQUIRE TYPE I THERMOPLASTIC.
9. MANHOLE FRAMES, COVERS, VALVES, CLEAN-OUTS, ETC. SHALL BE RAISED TO GRADE PRIOR TO FINAL PAVEMENT CONSTRUCTION.
10. A STOP BAR SHALL BE PLACED AT ALL STOP SIGN LOCATIONS.
11. THE GEOTECHNICAL ENGINEER SHALL INSPECT THE SUBGRADE FOR COMPLIANCE WITH THE DESIGN ASSUMPTIONS MADE DURING PREPARATION OF THE SOILS REPORT. ANY ADJUSTMENTS THAT ARE REQUIRED SHALL BE MADE THROUGH REVISIONS OF THE APPROVED CONSTRUCTION PLANS.
12. GEOTECHNICAL INVESTIGATION INFORMATION AND PAVEMENT RECOMMENDATIONS WERE PROVIDED BY RABA KISTNER. PAVEMENT RECOMMENDATIONS ARE AS FOLLOWS:
    a. LIGHT DUTY CONCRETE — 5" PORTLAND CEMENT CONCRETE + 4" FLEXIBLE BASE
    b. HEAVY DUTY CONCRETE — 6" PORTLAND CEMENT CONCRETE + 4" FLEXIBLE BASE
1. CONCRETE PAVEMENTS SHALL BE REINFORCED WITH BAR MATS. THE BAR MATS SHALL BE NO.3 REINFORCING BARS SPACED 18 IN. ON CENTER IN BOTH DIRECTIONS. THE CONCRETE REINFORCING SHALL BE PLACED APPROXIMATELY 1/3 THE SLAB THICKNESS BELOW THE SURFACE OF THE SLAB, BUT NO LESS THAN 2". THE REINFORCING SHALL NOT EXTEND ACROSS EXPANSION JOINTS.
2. WHERE PRACTICAL, CONSTRUCTION, EXPANSION, CONTROL AND SAWED JOINTS SHALL BE LAID OUT TO FORM SQUARE PANELS ON CONCRETE PAVEMENTS. THE RATION OF SLAB LENGTH-TO-WIDTH SHOULD NOT EXCEED 1.25. MAXIMUM JOINT SPACING ARE 12 FT LONGITUDINAL AND 12 FT TRANSVERSE.
13. A TRAFFIC CONTROL PLAN, IN ACCORDANCE WITH THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CITY OF AUSTIN TRANSPORTATION CRITERIA MANUAL, CITY OF LEANDER STANDARD DETAILS AND TEXAS DEPARTMENT OF TRANSPORTATION CRITERIA, SHALL BE SUBMITTED TO THE CITY OF LEANDER FOR REVIEW AND APPROVAL PRIOR TO ANY PARTIAL OR COMPLETE ROADWAY CLOSURES. TRAFFIC CONTROL PLANS MUST BE SITE SPECIFIC AND SIGNED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER.
14. ALL LANE CLOSURES SHALL OCCUR ONLY BETWEEN THE HOURS OF 9 AM AND 4 PM UNLESS OTHERWISE NOTED ON THE PLANS. ANY NIGHT TIME LANE CLOSURES REQUIRE APPROVAL OF THE CITY ENGINEER AND SHALL OCCUR BETWEEN THE HOURS OF 8 PM AND 6 AM. LANE CLOSURES OBSERVED BY THE CITY DURING PEAK HOURS OF 6 AM TO 9 AM OR 4 PM TO 8 PM WILL BE SUBJECT TO A FINE AND/OR SUBSEQUENT ISSUANCE OF WORK STOPPAGE.
15. TEMPORARY ROCK CRUSHING IS NOT ALLOWED. ALL SOURCES OF FLEXIBLE BASE MATERIAL ARE REQUIRED TO BE APPROVED BY THE CITY. PRIOR TO BASE PLACEMENT ALL CURRENT TRIAXIAL TEST REPORTS FOR PROPOSED STOCK PILES ARE TO BE SUBMITTED TO THE CITY CONSTRUCTION INSPECTOR FOR REVIEW AND APPROVAL.
16. AT ROAD INTERSECTIONS THAT HAVE A VALLEY GUTTER, THE CROWN TO THE INTERSECTING ROAD WILL BE CULMINATED AT A DISTANCE OF 40 FEET FROM THE INTERSECTING CURB LINE UNLESS OTHERWISE NOTED.
17. NO PONDING OF WATER SHALL BE ALLOWED TO COLLECT ON OR NEAR THE INTERSECTION OF PRIVATE DRIVEWAYS AND PUBLIC STREETS. RECONSTRUCTION OF THE DRIVEWAY APPROACH SHALL BE AT THE CONTRACTOR'S EXPENSE.
18. ALL DRIVEWAY APPROACHES SHALL HAVE A UNIFORM TWO PERCENT SLOPE WITHIN THE PUBLIC RIGHT OF WAY UNLESS APPROVED IN WRITING BY THE ENGINEERING DEPARTMENT.
19. IMPROVEMENTS THAT INCLUDE RECONSTRUCTION OF AN EXISTING TYPE II DRIVEWAY SHALL BE DONE IN A MANNER WHICH RETAINS OPERATIONS OF NOT LESS THAN HALF OF THE DRIVEWAY TO REMAIN OPEN AT ALL TIMES. FULL CLOSURE OF SUCH DRIVEWAY CAN BE CONSIDERED WITH WRITTEN AUTHORIZATION OBTAINED BY THE CONTRACTOR FROM ALL PROPERTY OWNERS AND ACCESS EASEMENT RIGHT HOLDERS ALLOWING THE FULL CLOSURE OF THE DRIVEWAY.
20. CONTRACTOR MUST CLEAR FIVE (5) FEET BEYOND ALL PUBLIC RIGHT OF WAY TO PREVENT FUTURE VEGETATIVE GROWTH INTO THE SIDEWALK AREAS.
21. SLOPE OF NATURAL GROUND ADJACENT TO THE PUBLIC RIGHT OF WAY SHALL NOT EXCEED 3:1 SLOPE. IF A 3:1 SLOPE IS NOT POSSIBLE, SLOPE PROTECTION OR RETAINING WALL MUST BE SUBMITTED TO THE CITY FOR REVIEW AND APPROVAL PRIOR TO FINAL ACCEPTANCE.
22. THERE SHALL BE NO WATER, WASTEWATER OR DRAINAGE APPURTENANCES, INCLUDING BUT NOT LIMITED TO VALVES, FITTINGS, METERS, CLEAN-OUTS, MANHOLES, OR VAULTS IN ANY DRIVEWAY, SIDEWALK, TRAFFIC OR PEDESTRIAN AREA.
23. PUBLIC SIDEWALKS SHALL NOT USE CURB INLETS AS PARTIAL WALKING SURFACE. SIDEWALKS SHALL NOT USE TRAFFIC CONTROL BOXES, METERS, CHECK VALVE VAULTS, COMMUNICATION VAULTS, OR OTHER BURIED OR PARTIALLY BURIED INFRASTRUCTURE AS A VEHICULAR OR PEDESTRIAN SURFACE.
24. ALL WET UTILITIES SHALL BE INSTALLED AND ALL DENSITIES MUST HAVE PASSED INSPECTION(S) PRIOR TO THE INSTALLATION OF DRY UTILITIES.
25. DRY UTILITIES SHALL BE INSTALLED AFTER SUBGRADE IS CUT AND BEFORE THE FIRST COURSE OF BASE. NO TRENC

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
CONTRIBUTING ZONE PLAN
GENERAL CONSTRUCTION NOTES

1. A written notice of construction must be submitted to the TCEQ regional office at least 48 hours prior to the start of any ground disturbance or construction activities. This notice must include:
   - the name of the approved project;
   - the activity start date; and
   - the contact information of the prime contractor.
2. All contractors conducting regulated activities associated with this project should be provided with complete copies of the approved Contributing Zone Plan (CZP) and the TCEQ letter indicating the specific conditions of its approval. During the course of these regulated activities, the contractor(s) should keep copies of the approved plan and approval letter on site.
3. No hazardous substance storage tank shall be installed within 150 feet of a water supply source, distribution system, well, or sensitive feature.
4. Prior to beginning any construction activity, all temporary erosion and sedimentation (E&S) control measures must be properly installed and maintained in accordance with the manufacturers specifications. If inspections indicate a control has been used inappropriately, or incorrectly, the applicant must replace or modify the control for site situations. These controls must remain in place until the disturbed areas have been permanently stabilized.
5. Any sediment that escapes the construction site must be collected and properly disposed of before the next rain event to ensure it is not washed into surface streams, sensitive features, etc.
6. Sediment must be removed from the sediment traps or sedimentation basins when it occupies 50% of the basin's design capacity.
7. Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from being discharged offsite.
8. All excavated material that will be stored on-site must have proper E&S controls.
9. If portions of the site will have a cease in construction activity lasting longer than 14 days, soil TCEQ-0592A (Rev. July 15, 2015) Page 2 of 2stabilization in those areas shall be initiated as soon as possible prior to the 14th day of inactivity. If activity will resume prior to the 21st day, stabilization measures are not required. If drought conditions or inclement weather prevent action by the 14th day, stabilization measures shall be initiated as soon as possible.
10. The following records should be maintained and made available to the TCEQ upon request:
    - the dates when major grading activities occur;
    - the dates when construction activities temporarily or permanently cease on a portion of the site; and
    - the dates when stabilization measures are initiated.
11. The holder of any approved CZP must notify the appropriate regional office in writing and obtain approval from the executive director prior to initiating any of the following:
    A. any physical or operational modification of any best management practices (BMPs) or structure(s), including but not limited to temporary or permanent ponds, dams, berms, silt fences, and diversionary structures;
    B. any change in the nature or character of the regulated activity from that which was originally approved;
    C. any change that would significantly impact the ability to prevent pollution of the Edwards Aquifer; or
    D. any development of land previously identified as undeveloped in the approved contributing zone plan.

AUSTIN REGIONAL OFFICE
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AUSTIN, TEXAS 78753-1808
PHONE (512) 339-2929
FAX (512) 339-3795

SAN ANTONIO REGIONAL OFFICE
14250 JUDSON ROAD
SAN ANTONIO, TEXAS 78233-4480
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LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
LEANDER TEXAS
SD- -____

LEANDER I.S.D.
204 W. SOUTH ST.
LEANDER TEXAS

halff
13620 BRIARWICK DR., SUITE 100
AUSTIN, TEXAS 78729
TEL: (512) 777-4600

REVISION

NO.	DATE	DESCRIPTION

STATE OF TEXAS
ZHIPENG XING, P.E.
127763
LICENSED
PROFESSIONAL ENGINEER
1/28/2026

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY ZHIPENG XING, P.E. LIC. # 127763

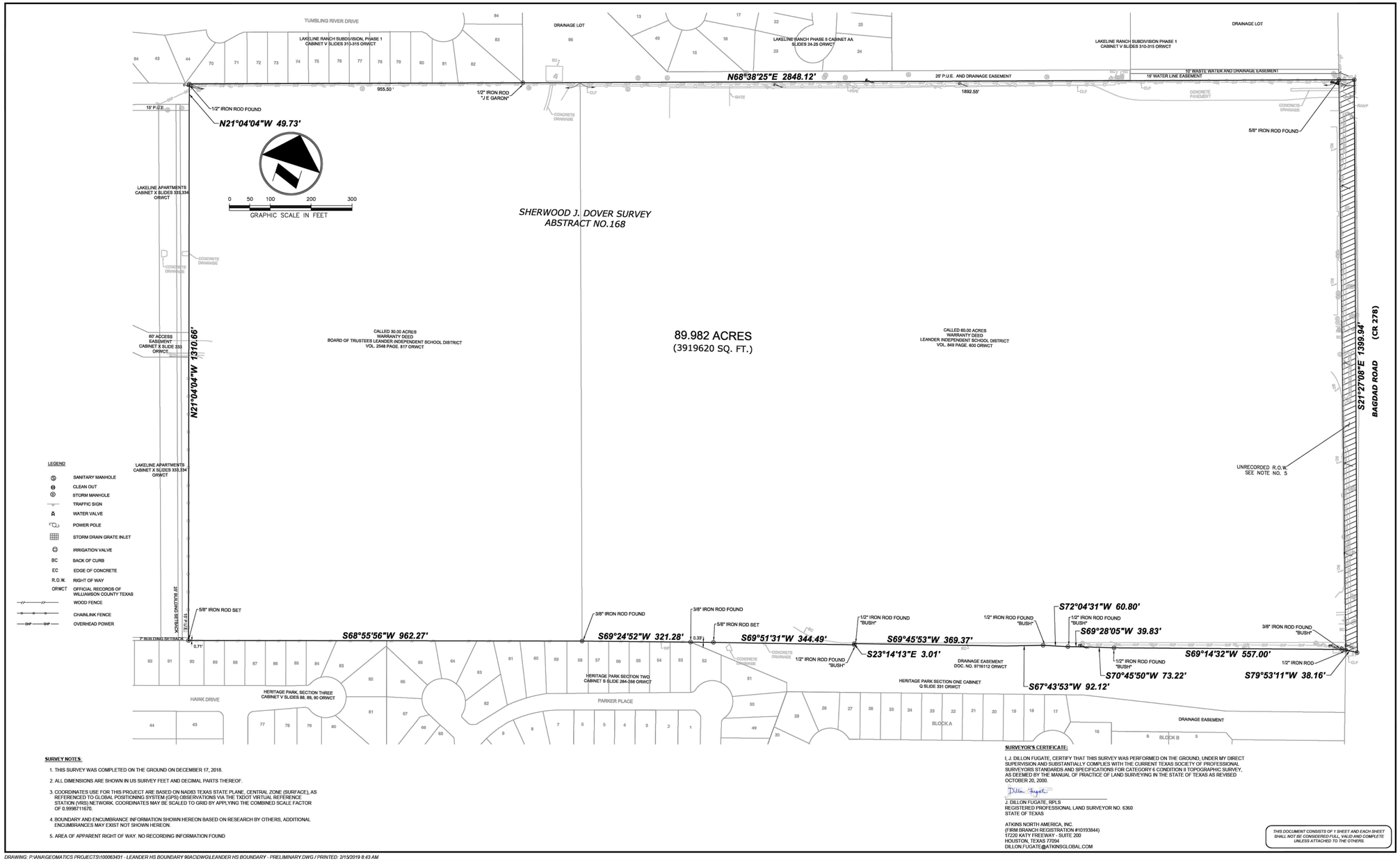
I CERTIFY THAT THESE DRAWINGS ARE COMPLETE, ACCURATE AND ADEQUATE FOR THEIR INTENDED PURPOSES, INCLUDING CONSTRUCTION, BUT ARE NOT AUTHORIZED FOR CONSTRUCTION UNTIL FORMAL CITY APPROVAL.

PROJECT NO.:	53112.009
ISSUED:	1/28/2026
DRAWN BY:	--
CHECKED BY:	--
SCALE:	NA

SHEET TITLE

TCEQ NOTES

FILE NAME: A:\53000s\53112\009\PWCADDSheets\C-PLAN-COVR-53112.09.dwg DATE: January 28, 2026, TIME: 9:25 AM, USER: ah3305 AVO: 53112.002



SURVEY NOTES:

1. THIS SURVEY WAS COMPLETED ON THE GROUND ON DECEMBER 17, 2018.
2. ALL DIMENSIONS ARE SHOWN IN US SURVEY FEET AND DECIMAL PARTS THEREOF.
3. COORDINATES USE FOR THIS PROJECT ARE BASED ON NAD83 TEXAS STATE PLANE, CENTRAL ZONE (SURFACE), AS REFERENCED TO GLOBAL POSITIONING SYSTEM (GPS) OBSERVATIONS VIA THE TXDOT VIRTUAL REFERENCE STATION (VRS) NETWORK. COORDINATES MAY BE SCALED TO GRID BY APPLYING THE COMBINED SCALE FACTOR OF 0.9998711670.
4. BOUNDARY AND ENCUMBRANCE INFORMATION SHOWN HEREON BASED ON RESEARCH BY OTHERS, ADDITIONAL ENCUMBRANCES MAY EXIST NOT SHOWN HEREON.
5. AREA OF APPARENT RIGHT OF WAY. NO RECORDING INFORMATION FOUND

SURVEYOR'S CERTIFICATE:

I, J. DILLON FUGATE, CERTIFY THAT THIS SURVEY WAS PERFORMED ON THE GROUND, UNDER MY DIRECT SUPERVISION AND SUBSTANTIALLY COMPLIES WITH THE CURRENT TEXAS SOCIETY OF PROFESSIONAL SURVEYORS STANDARDS AND SPECIFICATIONS FOR CATEGORY 6 CONDITION II TOPOGRAPHIC SURVEY, AS DEEMED BY THE MANUAL OF PRACTICE OF LAND SURVEYING IN THE STATE OF TEXAS AS REVISED OCTOBER 20, 2000.

J. DILLON FUGATE, RPLS
REGISTERED PROFESSIONAL LAND SURVEYOR NO. 6360
STATE OF TEXAS

ATKINS NORTH AMERICA, INC.
(FIRM BRANCH REGISTRATION #10193844)
17220 KATY FREEWAY - SUITE 200
HOUSTON, TEXAS 77094
DILLON.FUGATE@ATKINSGLOBAL.COM

THIS DOCUMENT CONSISTS OF 1 SHEET AND EACH SHEET SHALL NOT BE CONSIDERED FULL, VALID AND COMPLETE UNLESS ATTACHED TO THE OTHERS.

DRAWING: P:\NA\GEOMATICS PROJECTS\100063431 - LEANDER HS BOUNDARY 90A\CIDW\GLEANDER HS BOUNDARY - PRELIMINARY.DWG / PRINTED: 2/15/2019 8:43 AM

ATKINS
ATKINS NORTH AMERICA, INC.
17220 KATY FREEWAY SUITE 200 HOUSTON, TX 77094 (713) 576-8500
TEXAS BOARD OF PROFESSIONAL LAND SURVEYORS - BRANCH REGISTRATION # 10193844

CLIENT	**PROJECT**	**TASK**	**ORIGINAL:** 02/14/19
LEANDER INDEPENDENT SCHOOL DISTRICT	LEANDER HIGH SCHOOL	BOUNDARY SURVEY	**REVISIONS:** 1 # 2 # 3 # 4 # 5 # 6 # 7 # 8 # 9 # 10 # 11 # 12 #

STATE OF TEXAS REGISTERED J. DILLON FUGATE 6360 PROFESSIONAL LAND SURVEYOR
SURVEYOR'S OFFICIAL SEAL

JOB NO. 100063431
DRAWN EMV
DESIGNED #
CHECKED JDF
QC #
SHEET: 1 OF 1 #

LEANDER HS MASTER PLAN
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REVISION NO.	DATE	DESCRIPTION

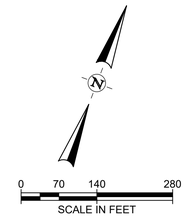
PROJECT NO.:	53112.009
ISSUED:	1/28/2026
DRAWN BY:	--
CHECKED BY:	--
SCALE:	N.T.S.

SHEET TITLE

BOUNDARY SURVEY

5 OF 104

FILE NAME: A:\53000s\53112\009\PW\CADD\Sheets\C-PLAN-COVR-53112.09.dwg DATE: January 28, 2026, TIME: 9:25 AM, USER: ah3305 AVO: 53112.002



LEGEND

- LOC — LIMITS OF CONSTRUCTION
- WW — EXISTING WASTEWATER
- W — EXISTING WATER
- SD — EXISTING STORM
- EXISTING GAS
- DEMO EXISTING WASTEWATER
- DEMO EXISTING WATER
- DEMO EXISTING STORM
- PAVEMENT DEMO AREA

NOTES:

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3. CONTRACTOR IS NOT PERMITTED TO CROSS OR DRIVE ON THE EXISTING TRACK WITH MACHINERY.
4. CONTRACTOR SHALL COORDINATE WITH STRUCTURAL ENGINEER AND GEOTECH FOR REMOVAL OR ABANDONED IN PLACE OF EXISTING UTILITIES UNDER FUTURE BUILDING PAD.
5. CONTRACTOR SHALL COORDINATE WITH M.E.P. FOR BUILDING UTILITIES CONNECTIONS.
6. PROPOSED TO BE DEMOLISHED WATER, WASTEWATER, AND STORM LINES SHALL BE REMOVED TO ACCOMMODATE PROPOSED IMPROVEMENTS, INSTEAD OF ABANDONED IN PLACE, AS NEEDED.

Know what's **below.**
Call before you dig.

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PROJECT NO.:	53112.009
ISSUED:	1/28/2026
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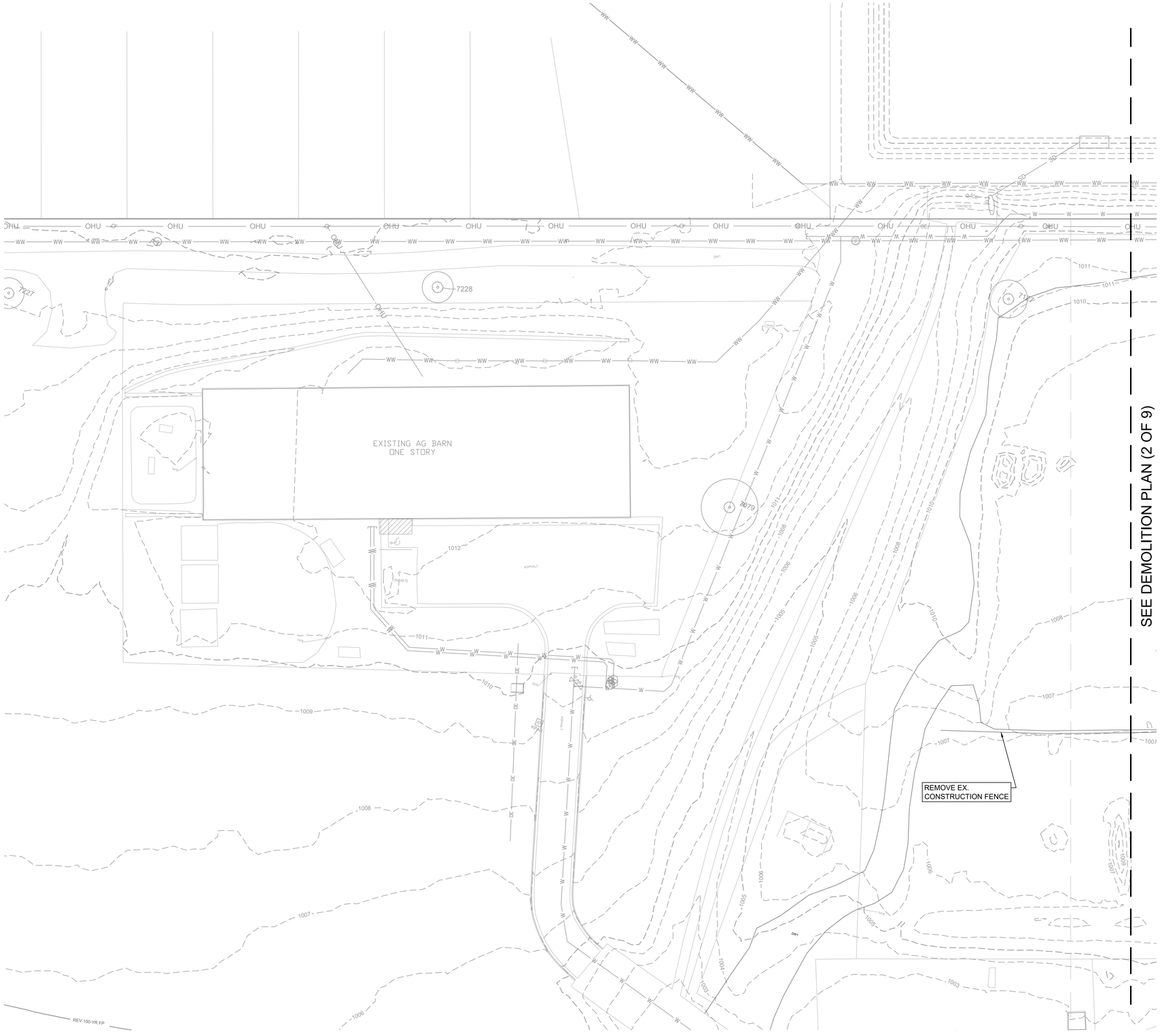
CHECKED BY:	--
SCALE:	1" = 140'

SHEET TITLE

OVERALL DEMOLITION PLAN

6 OF 104

FILE NAME: A:\53000s\53112\009\PW\CAD\Sheets\C-OVER-EXST-53112.09.dwg DATE: January 28, 2026, TIME: 9:25 AM, USER: ak3305 AVO: 53112.002



0 15 30 60
SCALE IN FEET

LEGEND

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NOTES:

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PROJECT NO.:	53112.009
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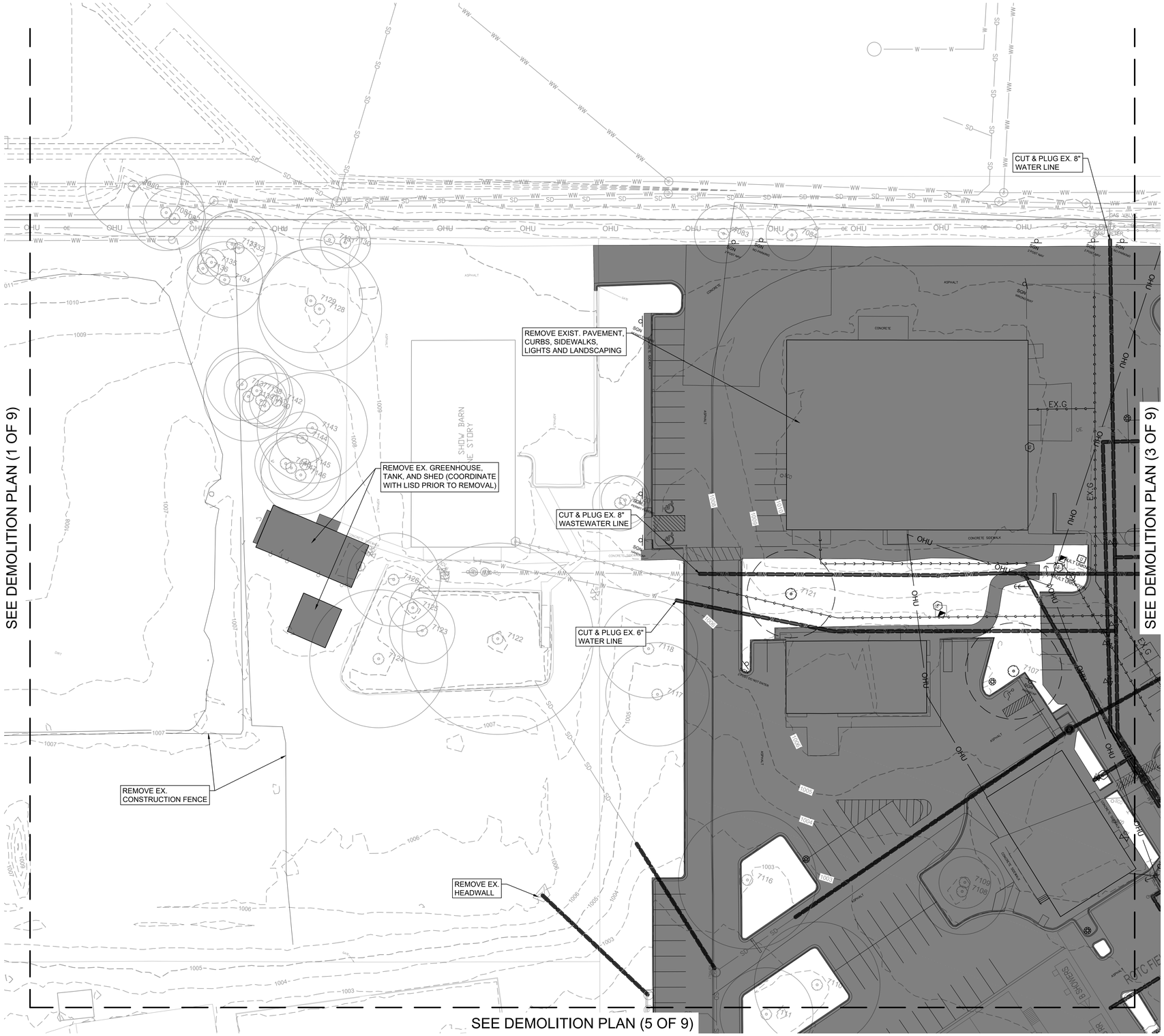
CHECKED BY:	--
SCALE:	1" = 30'

SHEET TITLE

DEMOLITION PLAN (1 OF 9)

FILE NAME: A:\53000s\53112\009\PW\CADD\Sheets\C-PLAN-EXST-53112.09.dwg DATE: January 28, 2026, TIME: 9:26 AM, USER: ak3305 AVO: 53112.002



0 15 30 60
SCALE IN FEET

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DEMOLITION PLAN (2 OF 9)

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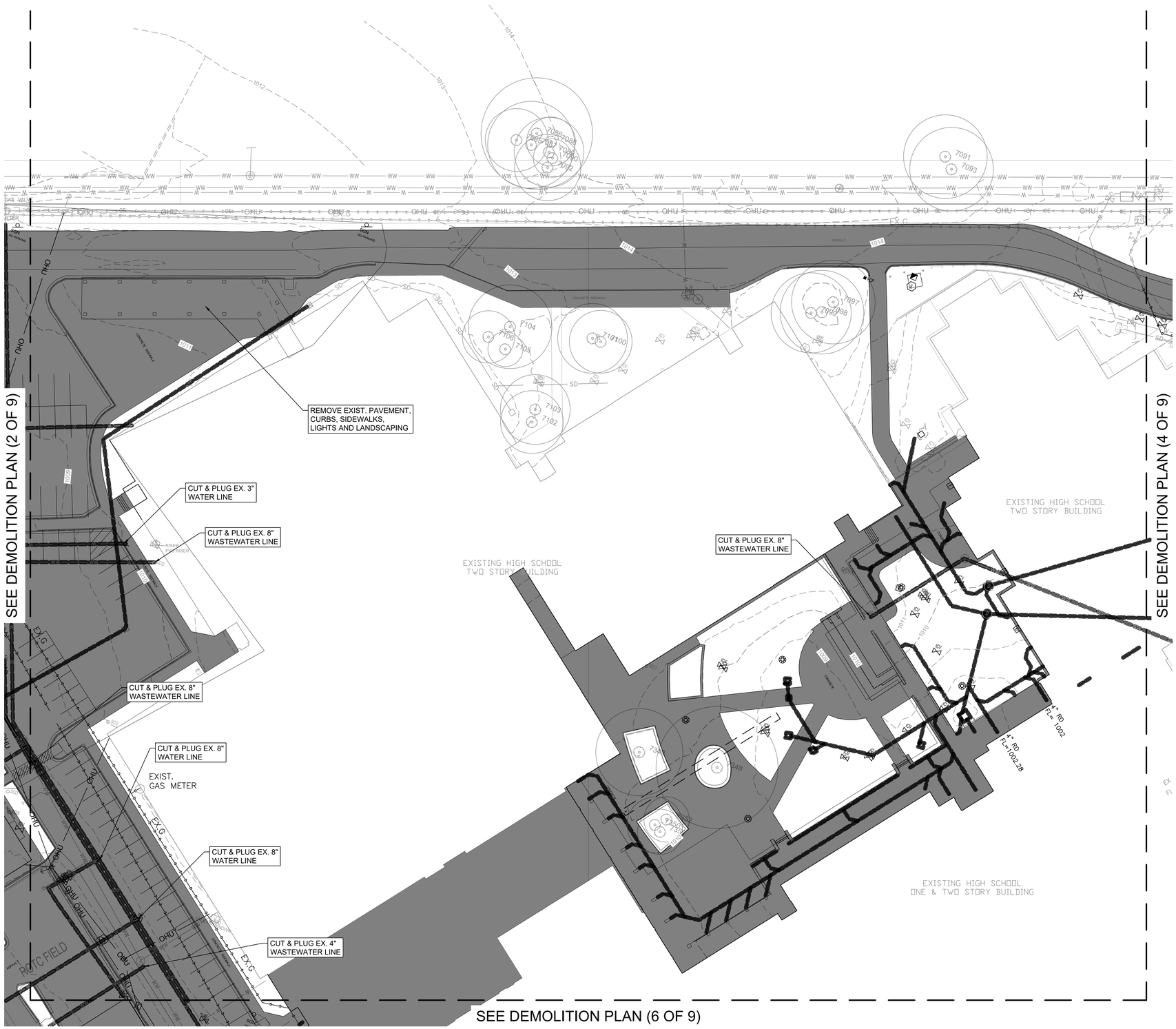

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SHEET TITLE

DEMOLITION PLAN (3 OF 9)

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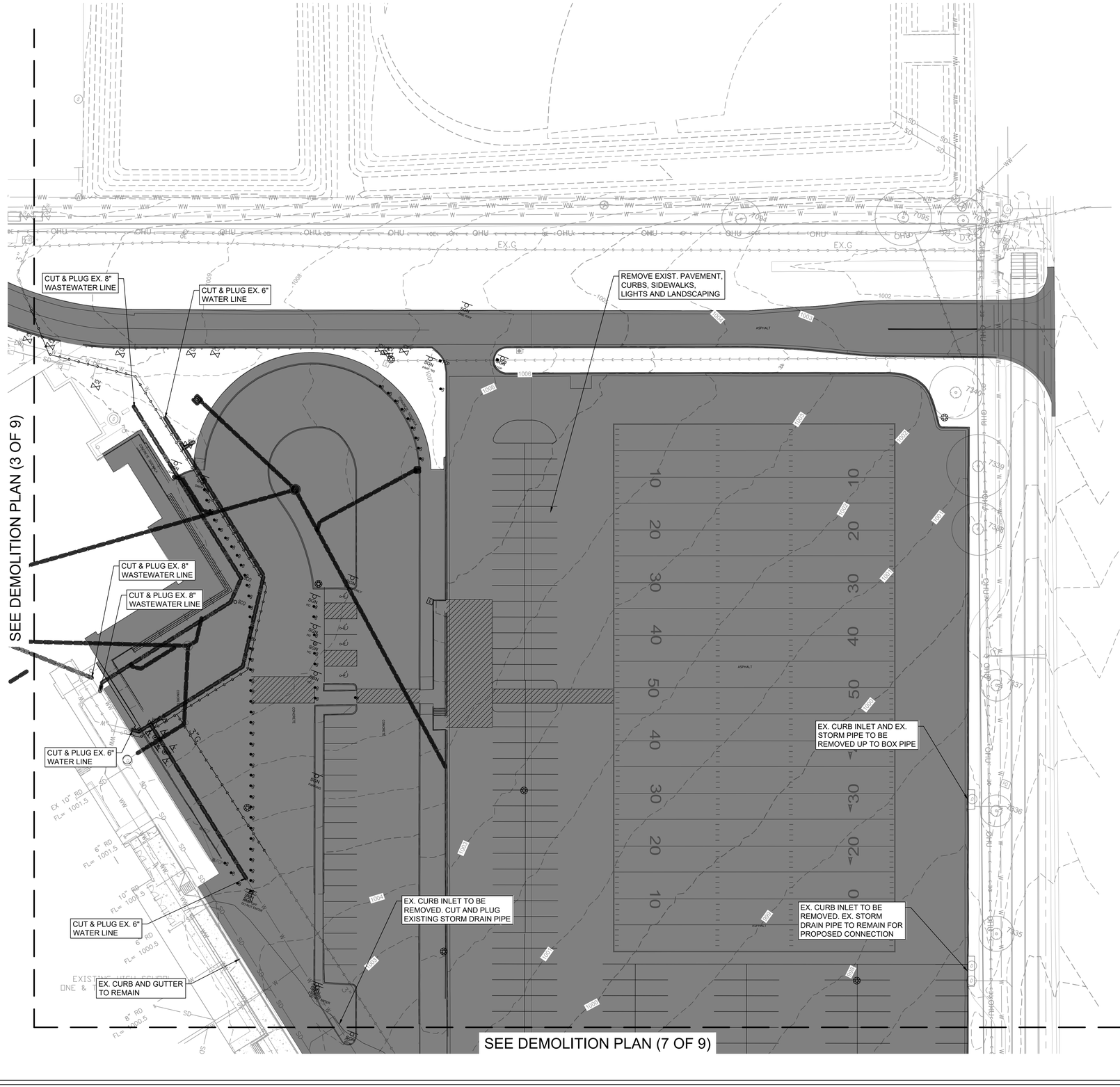

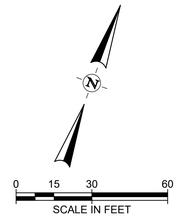

LEGEND

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DEMOLITION PLAN (4 OF 9)

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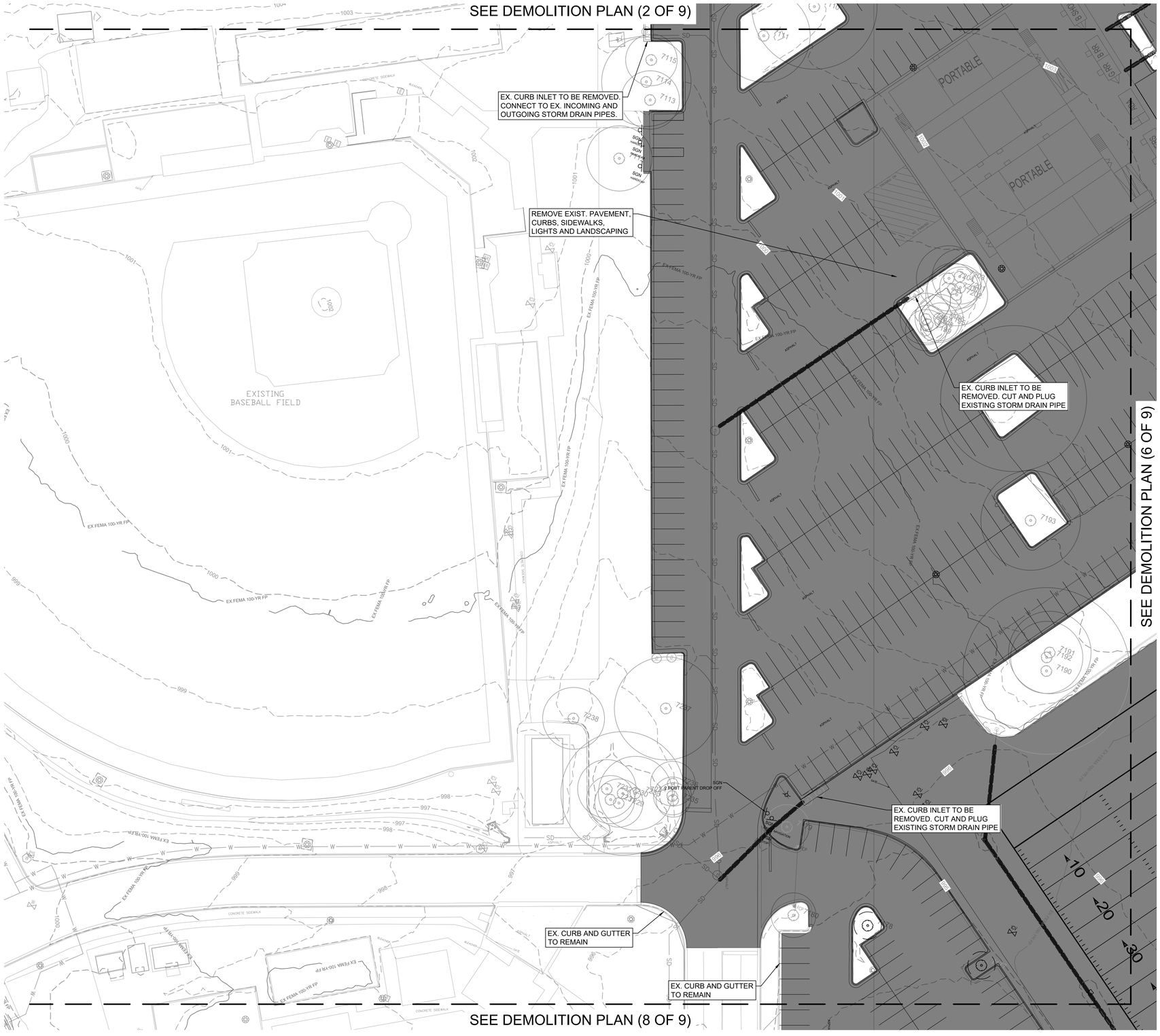

0 15 30 60
SCALE IN FEET

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halff
13620 BRIARWICK DR. SUITE 100
AUSTIN, TEXAS 78729
TEL: (512) 777-4800

REVISION NO.	DATE	DESCRIPTION

STATE OF TEXAS
ZHIPENG XING, P.E.
127763
LICENSED PROFESSIONAL ENGINEER
1/28/2026

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY ZHIPENG XING, P.E. LIC. # 127763

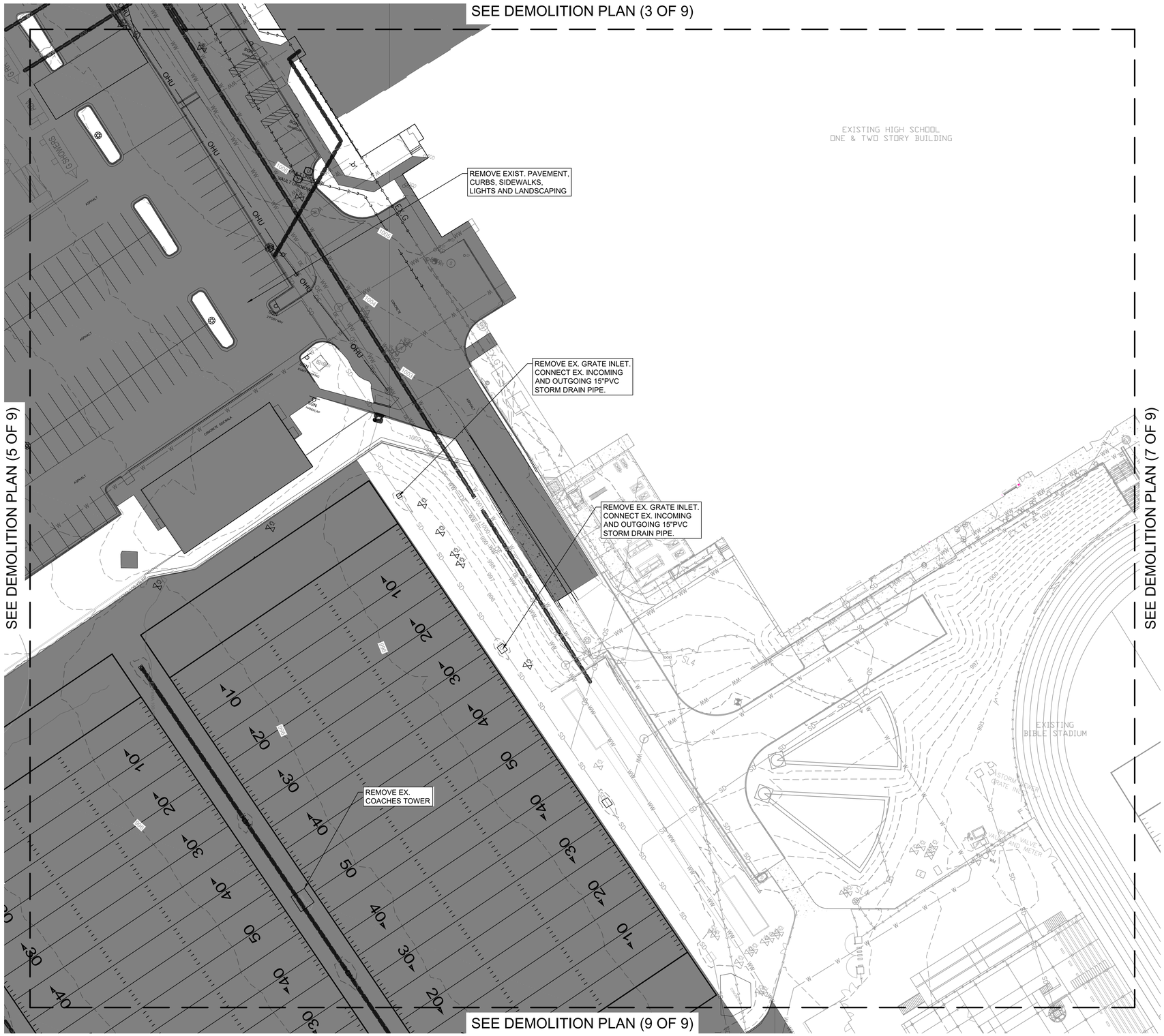
I CERTIFY THAT THESE DRAWINGS ARE COMPLETE, ACCURATE AND ADEQUATE FOR THEIR INTENDED PURPOSES, INCLUDING CONSTRUCTION, BUT ARE NOT AUTHORIZED FOR CONSTRUCTION UNTIL FORMAL CITY APPROVAL.

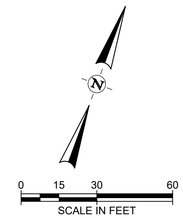
PROJECT NO.:	53112.009
ISSUED:	1/28/2026
DRAWN BY:	--
CHECKED BY:	--
SCALE:	1" = 30'

SHEET TITLE

DEMOLITION PLAN (5 OF 9)

FILE NAME: A:\53000s\53112\009\PWCADD\Sheets\C-PLAN-EXST-53112.09.dwg DATE: January 28, 2026, TIME: 9:26 AM, USER: ak3305 AVO: 53112.002





LEGEND

- LOC — LIMITS OF CONSTRUCTION
- WW — EXISTING WASTEWATER
- W — EXISTING WATER
- SD — EXISTING STORM
- EXISTING GAS
- DEMO EXISTING WASTEWATER
- DEMO EXISTING WATER
- DEMO EXISTING STORM
- PAVEMENT DEMO AREA
- XXXX — EXISTING TREE TO REMAIN
- XXXX — EXISTING TREE TO BE REMOVED

NOTES:

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LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
LEANDER TEXAS
SD- -

LEANDER I.S.D.
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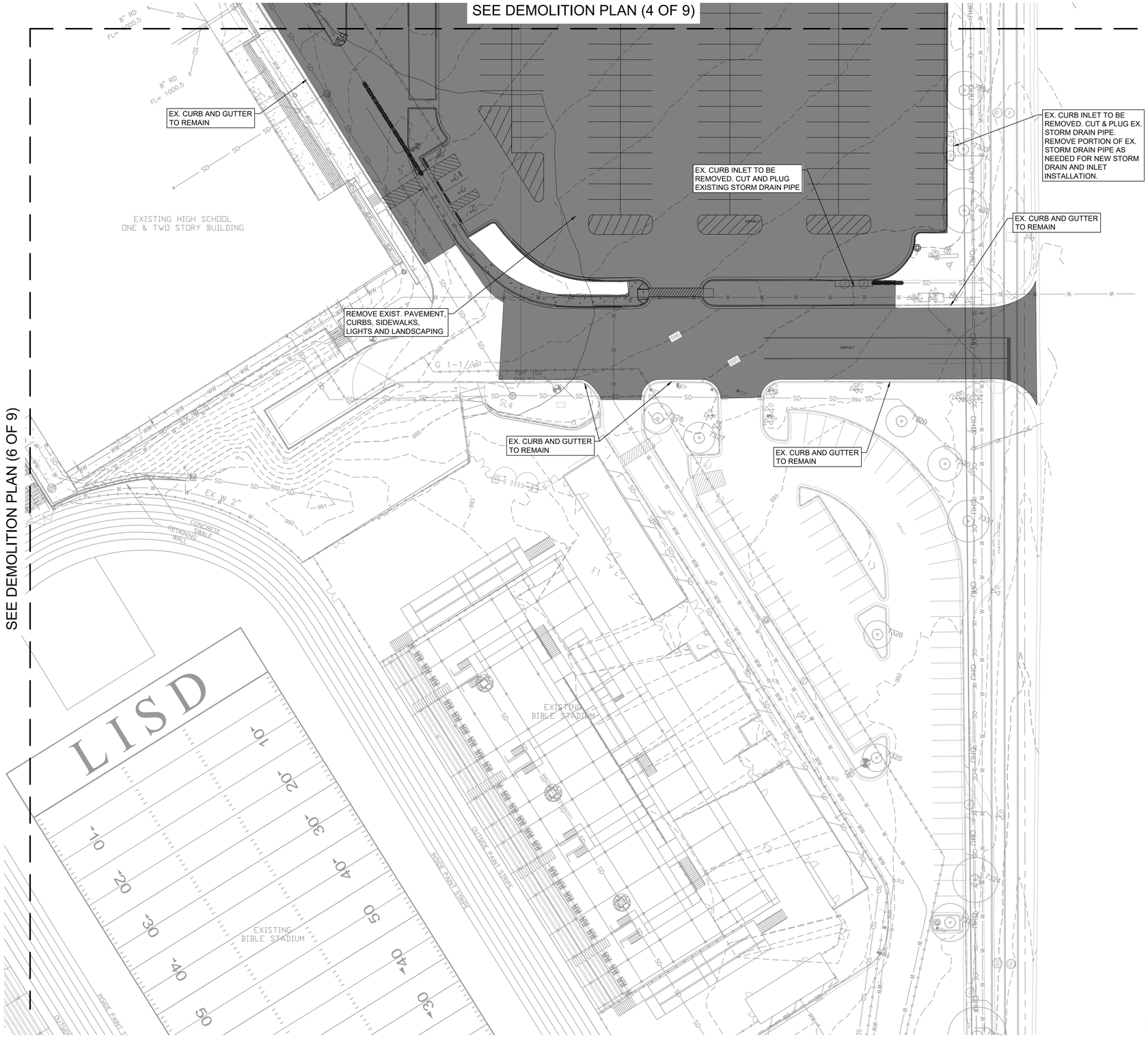
SHEET TITLE

DEMOLITION PLAN
(6 OF 9)

FILE NAME: A:\53000s\53112009\PW\CADD\Sheets\C-PLAN-EXST-53112.09.dwg DATE: January 28, 2026, TIME: 9:26 AM, USER: ak3305 AVO: 53112.002

SEE DEMOLITION PLAN (4 OF 9)

SEE DEMOLITION PLAN (6 OF 9)



0 15 30 60
SCALE IN FEET

LEGEND

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DEMOLITION PLAN (7 OF 9)

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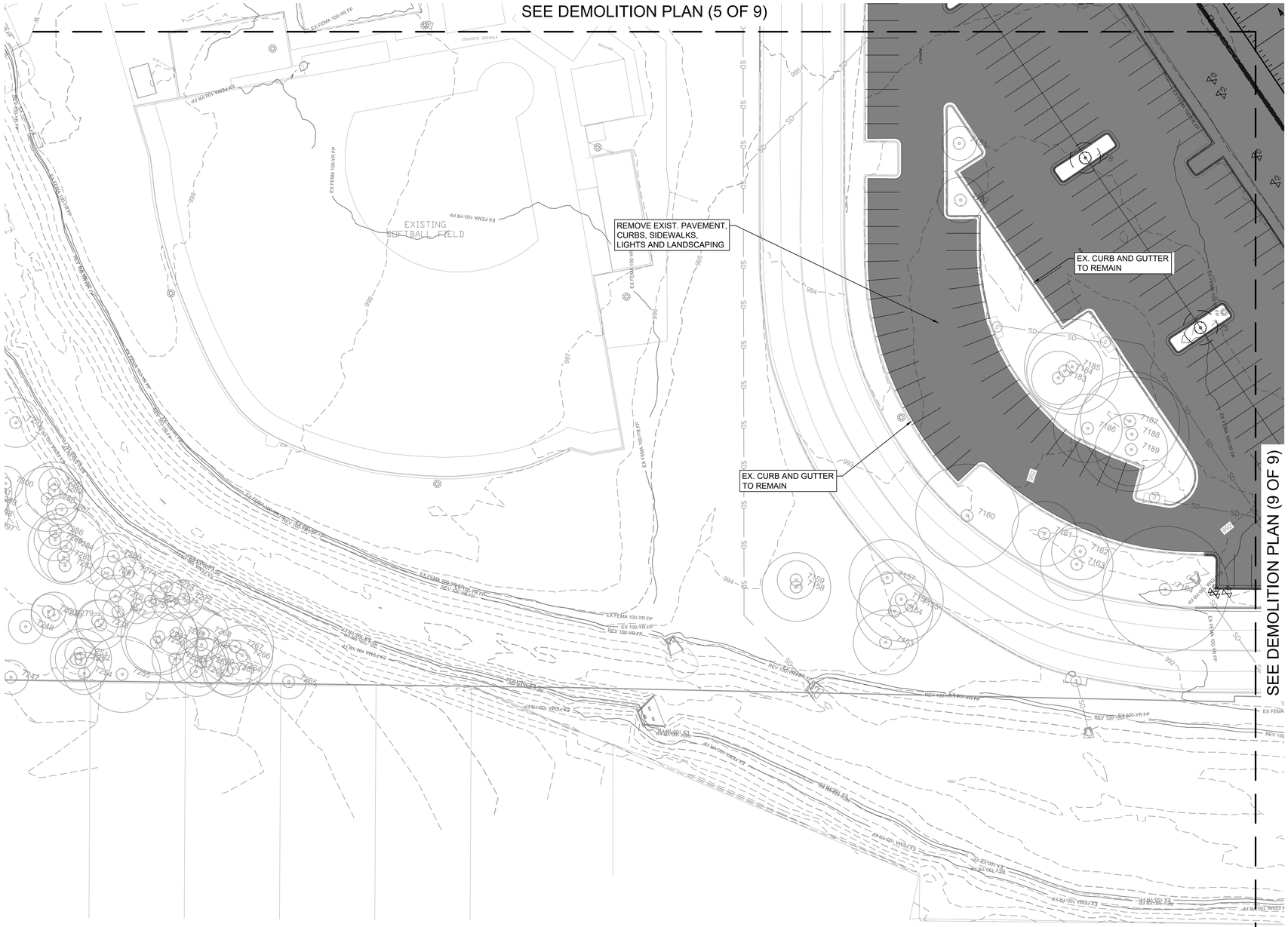

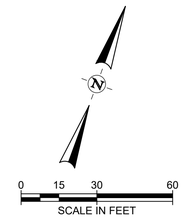

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LEANDER TEXAS
SD- -

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DEMOLITION PLAN (8 OF 9)

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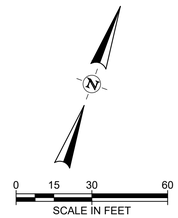

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SHEET TITLE

DEMOLITION PLAN (9 OF 9)

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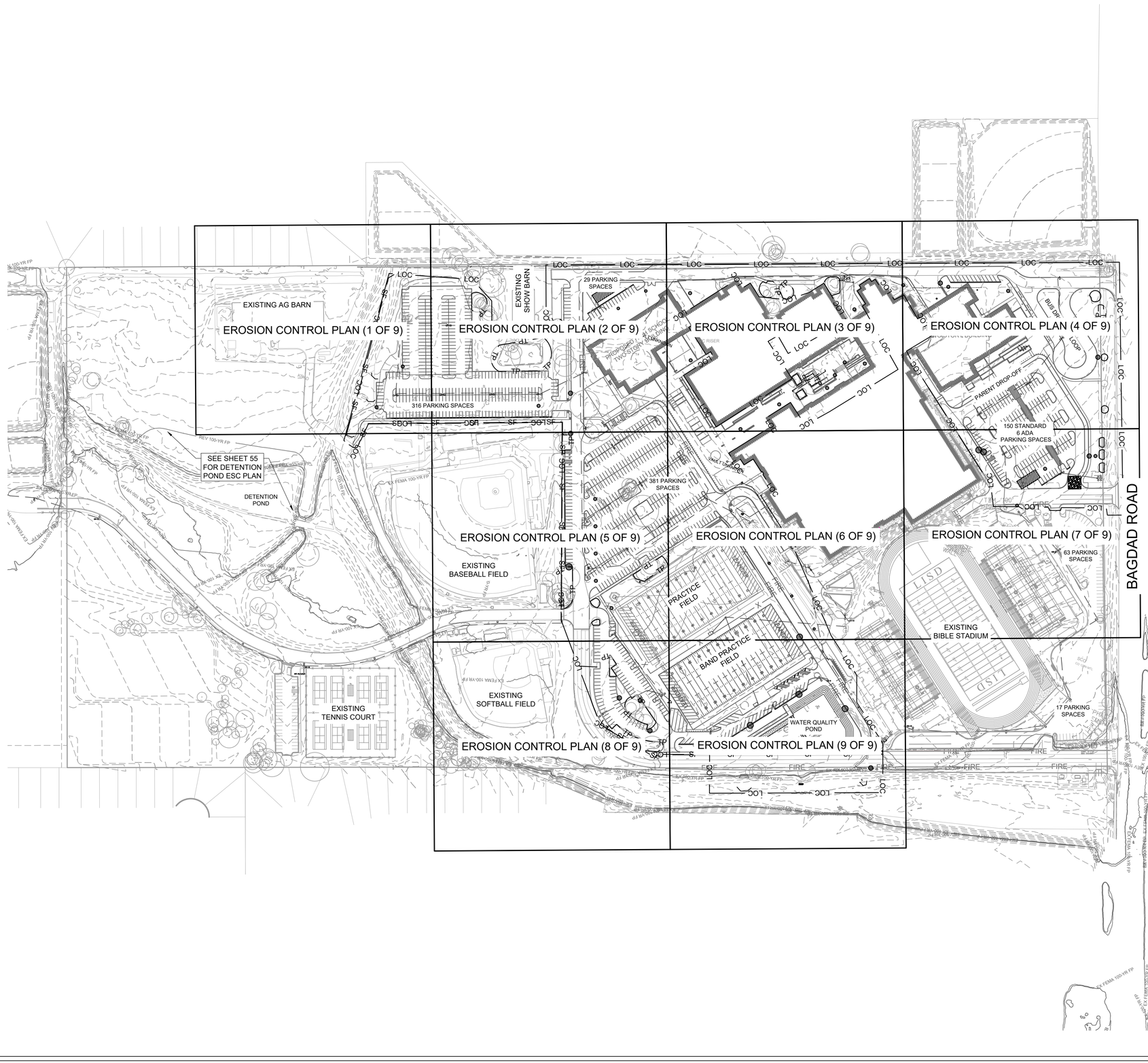

0 70 140 280
SCALE IN FEET

LEGEND

- LOC — LIMITS OF CONSTRUCTION
- SF — SF — SILT FENCE
- TP — TP — TREE PROTECTION FENCE
- INLET PROTECTION

NOTES:

1. SEE EROSION CONTROL NOTES ON SHEET 3.
2. THE CITY OF LEANDER ENVIRONMENTAL INSPECTOR HAS THE AUTHORITY TO ADD OR MODIFY EROSION/SEDIMENT CONTROLS ON SITE THROUGHOUT THE DURATION OF THE PROJECT.
3. INLET WITHIN LIMITS OF CONSTRUCTION SHALL HAVE INLET PROTECTION WHETHER SHOWN HEREON OR NOT.
4. LIMITS OF CONSTRUCTION SHALL BE CLOCKED OFF WITH TEMPORARY CHAIN LINK FENCING.

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SD- -

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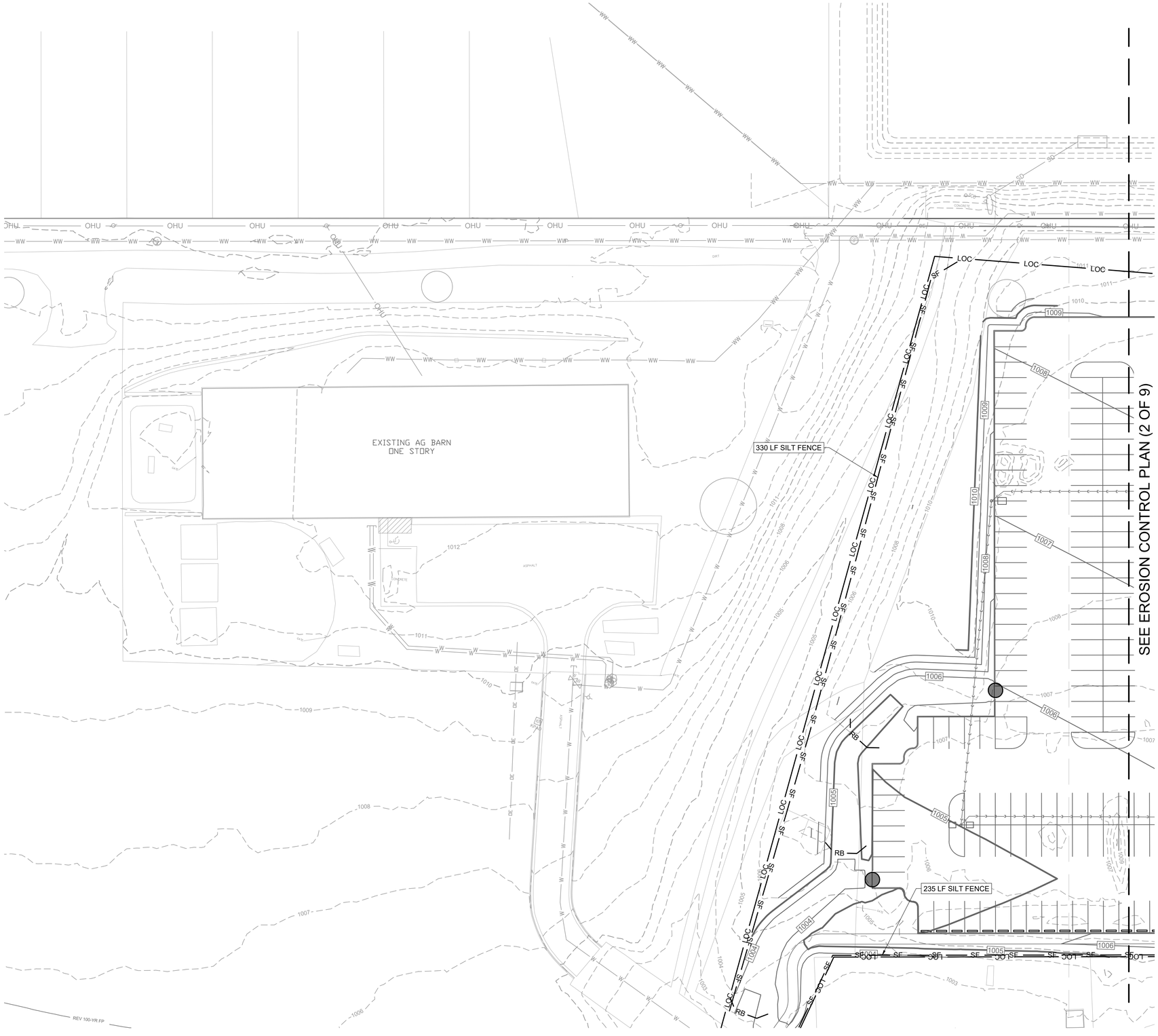
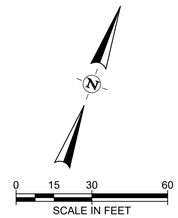
SCALE:	1" = 140'

SHEET TITLE
OVERALL EROSION CONTROL PLAN

16 OF 104

FILE NAME: A:\53000s\53112\009\PW\CADD\Sheets\C-OVER-ERCN-53112.09.dwg DATE: January 28, 2026, TIME: 9:27 AM, USER: ak3305 AVO: 53112.002





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SHEET TITLE

EROSION CONTROL PLAN (1 OF 9)

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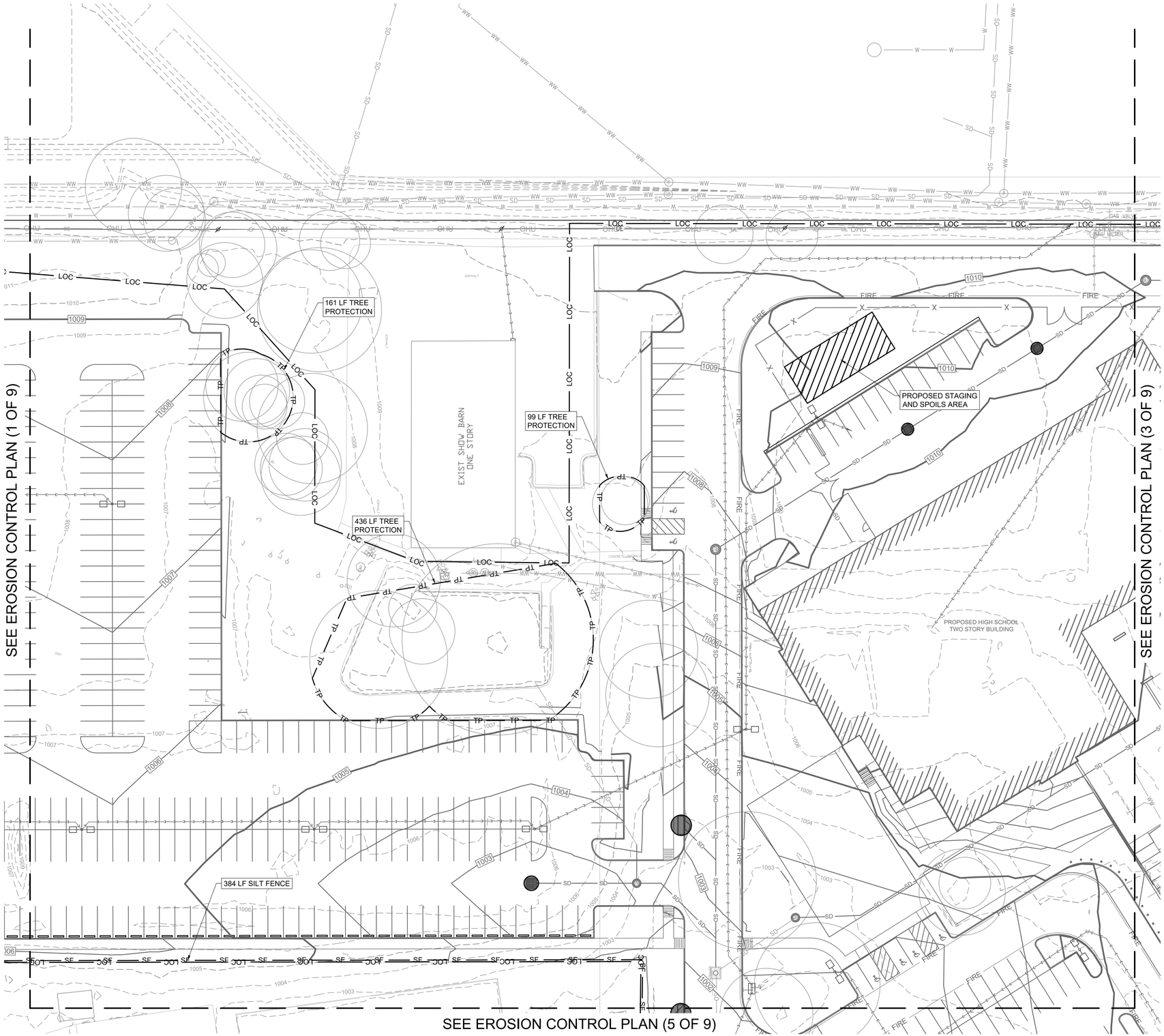

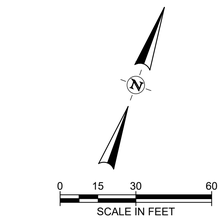

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EROSION CONTROL PLAN (2 OF 9)

18 OF 104

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FILE NAME: A:\53000s\53112\009\PW\CADD\Sheets\C-PLAN-ERCN-53112.09.dwg DATE: January 28, 2026, TIME: 9:27 AM, USER: ah3305 AVO: 53112.002

SEE EROSION CONTROL PLAN (2 OF 9)

SEE EROSION CONTROL PLAN (4 OF 9)

SEE EROSION CONTROL PLAN (6 OF 9)

90 LF TREE PROTECTION

153 LF TREE PROTECTION

137 LF TREE PROTECTION

EXISTING HIGH SCHOOL
TWO STORY BUILDING

EXISTING HIGH SCHOOL
ONE & TWO STORY BUILDING

4" RD
FL= 1002

4" RD
FL=1002.28'

0 15 30 60
SCALE IN FEET

LEGEND

LOC	LIMITS OF CONSTRUCTION
SF SF	SILT FENCE
TP TP	TREE PROTECTION FENCE
	INLET PROTECTION
WM	PROPOSED WATER
WW	PROPOSED WASTEWATER
SD SD	PROPOSED STORM
W W	EXISTING WATER
WW WW	EXISTING WASTEWATER
SD SD	EXISTING STORM
	ELECTRIC & COMMUNICATION
	EXISTING GAS

LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
LEANDER TEXAS
SD- -

LEANDER I.S.D.
204 W. SOUTH ST.
LEANDER TEXAS

halff
13620 BRIARWICK DR. SUITE 100
AUSTIN, TEXAS 78729
TEL: (512) 777-4800

REVISION NO.	DATE	DESCRIPTION

STATE OF TEXAS
ZHIPENG XING, P.E.
127763
LICENSED
PROFESSIONAL ENGINEER
1/28/2026

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CHECKED BY:	--
SCALE:	1" = 30'

SHEET TITLE

EROSION CONTROL PLAN (3 OF 9)

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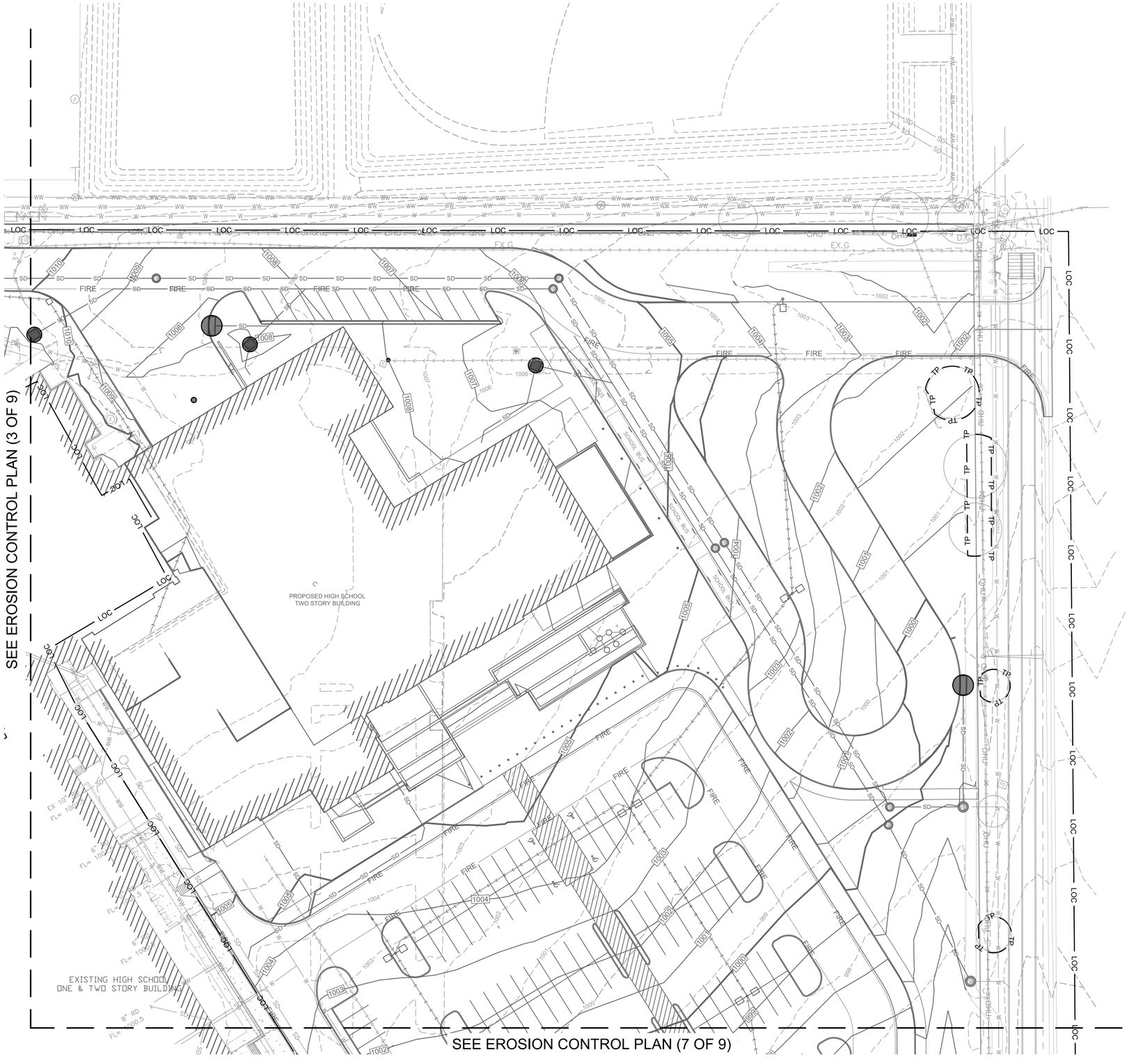

0 15 30 60
SCALE IN FEET

LEGEND

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LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
LEANDER TEXAS
SD- - ____

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SHEET TITLE

EROSION CONTROL PLAN (4 OF 9)

20 OF 104

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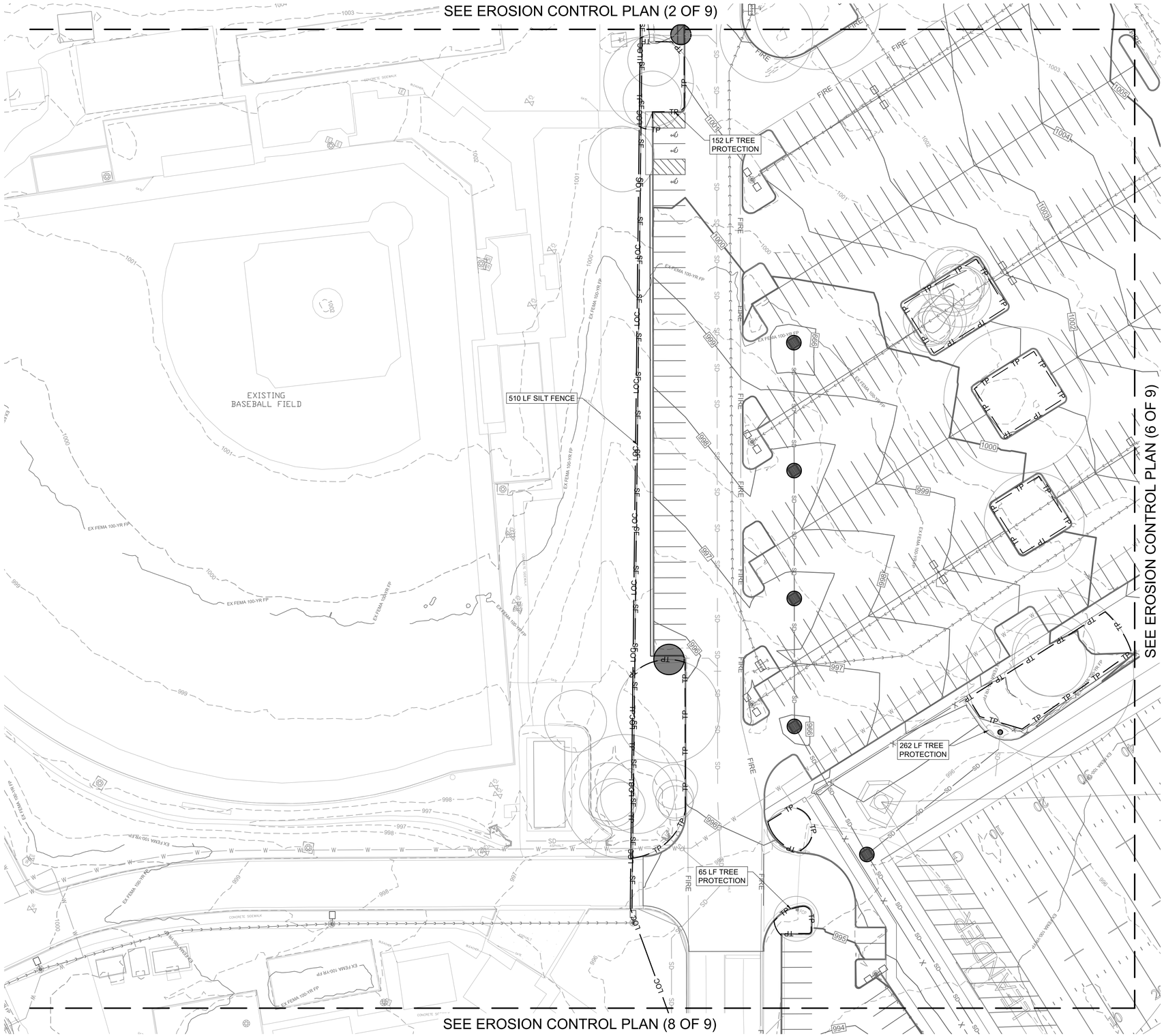

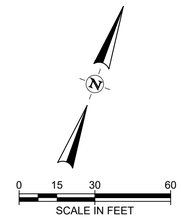

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EROSION CONTROL PLAN (5 OF 9)

21 OF 104

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SEE EROSION CONTROL PLAN (3 OF 9)

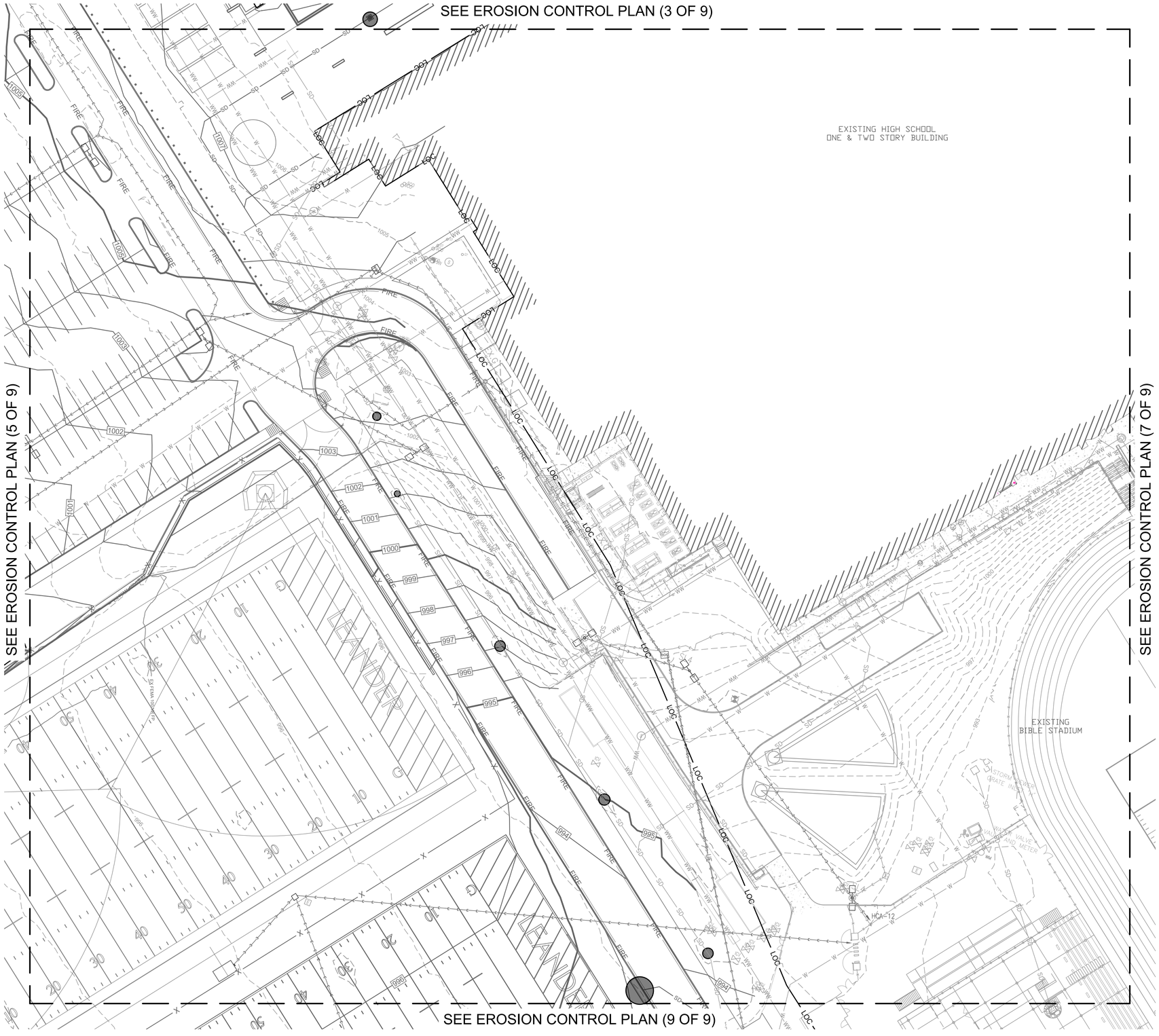
SEE EROSION CONTROL PLAN (5 OF 9)

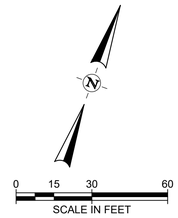
SEE EROSION CONTROL PLAN (7 OF 9)

SEE EROSION CONTROL PLAN (9 OF 9)

EXISTING HIGH SCHOOL
ONE & TWO STORY BUILDING

EXISTING
BIBLE STADIUM





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LEANDER HS MASTER PLAN

MODERNIZATION PHASE 2
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SD- -

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EROSION CONTROL PLAN (6 OF 9)

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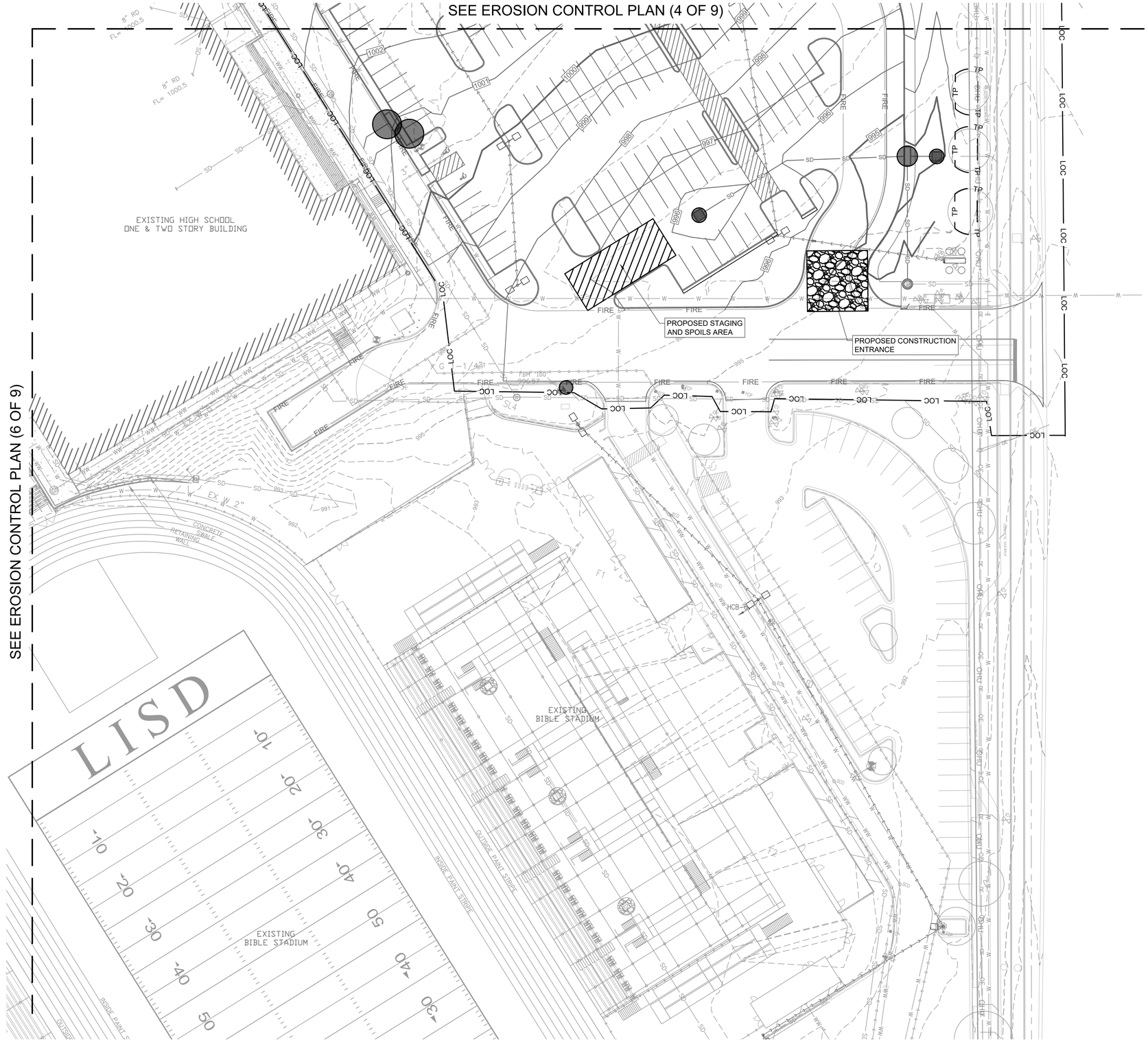
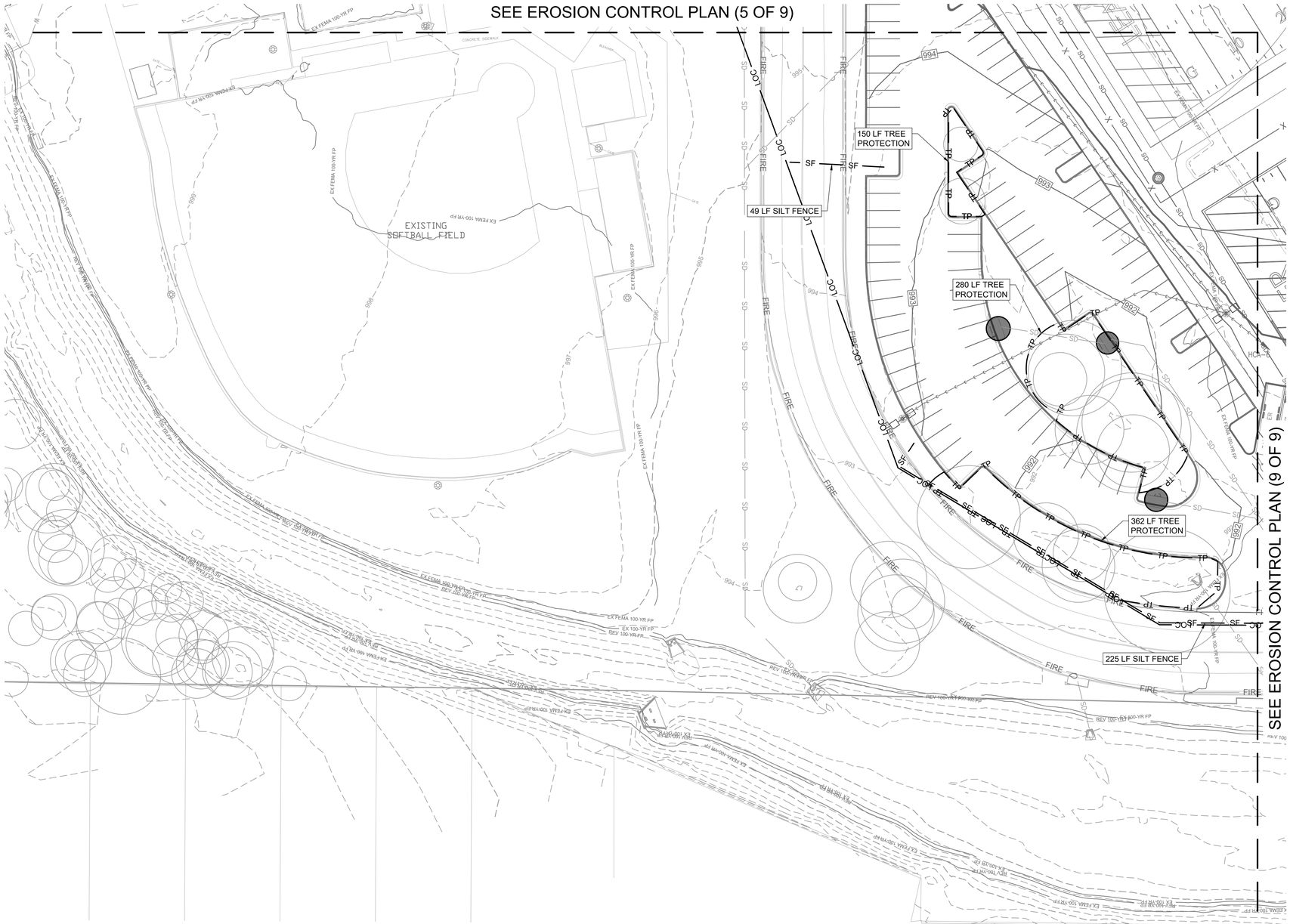

SEE EROSION CONTROL PLAN (4 OF 9)
SEE EROSION CONTROL PLAN (6 OF 9)
EXISTING HIGH SCHOOL
ONE & TWO STORY BUILDING
PROPOSED STAGING AND SPOILS AREA
PROPOSED CONSTRUCTION ENTRANCE
EXISTING BIBLE STADIUM
EXISTING BIBLE STADIUM
LISD
CONCRETE RETAINING WALL
SWALE
INSIDE PAINT STRIPE
OUTSIDE PAINT STRIPE
HCB
8" RD
FL= 1000.5
EX W 2"
EX 6" W
EX 12" W
EX 8" SD
EX 18" SD
EX 24" SD
EX 30" SD
EX 36" SD
EX 42" SD
EX 48" SD
EX 54" SD
EX 60" SD
EX 72" SD
EX 84" SD
EX 96" SD
EX 108" SD
EX 120" SD
EX 132" SD
EX 144" SD
EX 156" SD
EX 168" SD
EX 180" SD
EX 192" SD
EX 204" SD
EX



0 15 30 60
SCALE IN FEET

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EROSION CONTROL PLAN (8 OF 9)

24 OF 104

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SEE EROSION CONTROL PLAN (6 OF 9)

SEE EROSION CONTROL PLAN (8 OF 9)

EXISTING BIBLE STADIUM

PROPOSED CONSTRUCTION ENTRANCE

589 LF SILT FENCE

47 LF ROCK BERM

32 LF ROCK BERM

ROCK RETAINING WALL

KETTERING DRIVE

ASPHALT

0 15 30 60
SCALE IN FEET

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EROSION CONTROL PLAN (9 OF 9)

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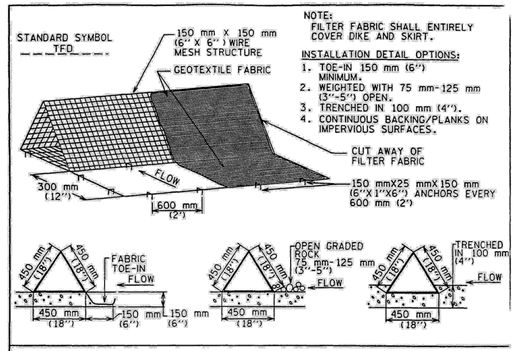
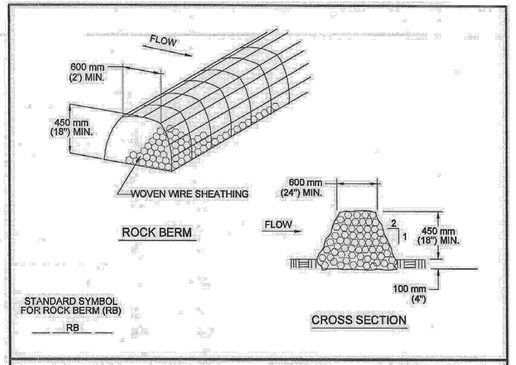


GENERAL NOTES

1. DIKES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT DIKE.
2. THE FABRIC COVER AND SKIRT SHALL BE A CONTINUOUS WRAPPING OF GEOTEXTILE. THE SKIRT SHALL BE A CONTINUOUS EXTENSION OF THE FABRIC ON THE UPSTREAM FACE.
3. THE SKIRT SHALL BE WEIGHTED WITH A CONTINUOUS LAYER OF 75-125 mm (3-5") OPEN GRADED ROCK OR TOED-IN 150 mm (6") WITH MECHANICALLY COMPACTED MATERIAL. OTHERWISE, THE ENTIRE STRUCTURE SHALL BE TRENCHED IN 100 mm (4").
4. DIKES AND SKIRT SHALL BE SECURELY ANCHORED IN PLACE USING 150 mm (6") WIRE STAPLES ON 600 mm (2') CENTERS ON BOTH EDGES AND SKIRT, OR STAKE USING 10M (⅜") DIAMETER RE-BAR WITH TEE ENDS.
5. FILTER MATERIAL SHALL BE LAPPED OVER ENDS 150 mm (6") TO COVER DIKE TO DIKE JOINTS. JOINTS SHALL BE FASTENED WITH GALVANIZED SHOAT RINGS.
6. THE DIKE STRUCTURE SHALL BE MW40-150 mmX150 mm (6 GA. 6"X6") WIRE MESH, 450 mm (18") ON A SIDE.
7. INSPECTION SHALL BE MADE WEEKLY OR AFTER EACH RAINFALL EVENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED BY THE CONTRACTOR.
8. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 150 mm (6") AND DISPOSED OF IN A MANNER WHICH WILL NOT CAUSE ADDITIONAL SILTATION.
9. AFTER THE DEVELOPMENT SITE IS COMPLETLY STABILIZED, THE DIKES AND ANY REMAINING SILT SHALL BE REMOVED. SILT SHALL BE DISPOSED OF AS INDICATED IN GENERAL NOTE 8 ABOVE.

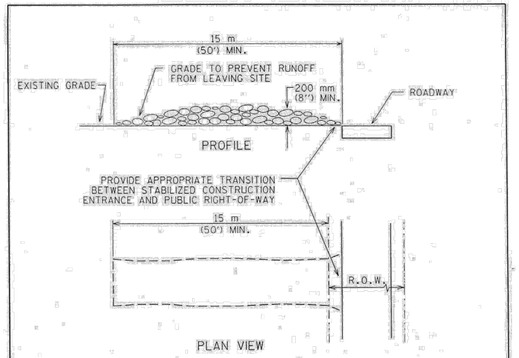
CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT	TRIANGULAR SEDIMENT FILTER DIKE	
3.27.00 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 628S



NOTES:

1. USE ONLY OPEN GRADED ROCK 75 to 125 mm (3 to 5") DIAMETER FOR ALL CONDITIONS.
2. THE ROCK BERM SHALL BE SECURED WITH A WOVEN WIRE SHEATHING HAVING MAXIMUM 25 mm (1") OPENING AND MINIMUM WIRE DIAMETER OF 12.9 mm (20 GAUGE).
3. THE ROCK BERM SHALL BE INSPECTED DAILY OR AFTER EACH RAIN, AND THE STONE AND/OR FABRIC CORE-WOVEN SHEATHING SHALL BE REPLACED WHEN THE STRUCTURE CEASES TO FUNCTION AS INTENDED, DUE TO SEDIMENT ACCUMULATION AMONG THE ROCKS, WASHOUT, CONSTRUCTION TRAFFIC DAMAGE, ETC.
4. IF SEDIMENT REACHES A DEPTH EQUAL TO ONE-THIRD THE HEIGHT OF THE BERM OR 150 mm (6"), WHICHEVER IS LESS, THE SEDIMENT SHALL BE REMOVED AND DISPOSED OF ON AN APPROVED SITE AND IN A MANNER THAT WILL NOT CREATE A SEDIMENTION PROBLEM.
5. WHEN THE SITE IS COMPLETELY STABILIZED,THE BERM AND ACCUMULATED SEDIMENT SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED MANNER.

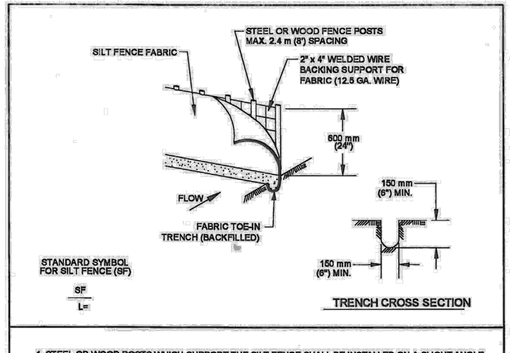
CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT	ROCK BERM	
Mingb. Xing P.E. 8/24/2010 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 639S-1



NOTES:

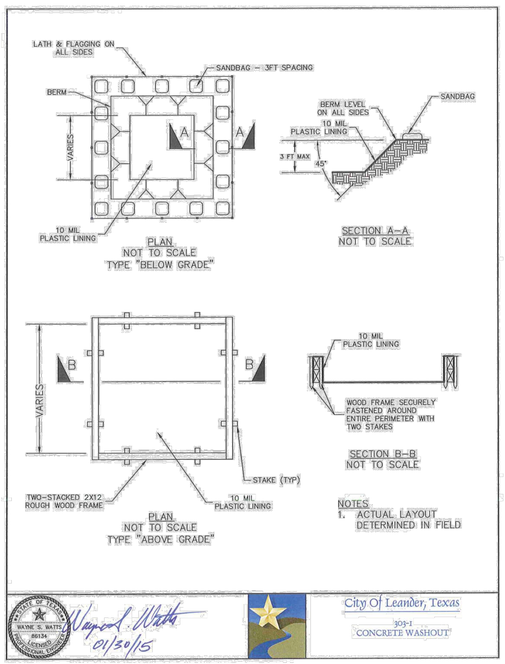
1. STONE SIZE: 75-125 mm (3-5") OPEN GRADED ROCK.
2. LENGTH: AS EFFECTIVE BUT NOT LESS THAN 15 m (50').
3. THICKNESS: NOT LESS THAN 200 mm (8").
4. WIDTH: NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS/EGRESS.
5. WASHING: WHEN NECESSARY, VEHICLE WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC ROADWAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE AND DRAINS INTO AN APPROVED TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATERCOURSE USING APPROVED METHODS.
6. MAINTENANCE: THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADWAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND, AS WELL AS REPAIR AND CLEAN OUT OF ANY MEASURE DEVICES USED TO TRAP SEDIMENT. ALL SEDIMENTS THAT IS SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADWAY MUST BE REMOVED IMMEDIATELY.
7. DRAINAGE: ENTRANCE MUST BE PROPERLY GRADED OR INCORPORATE A DRAINAGE SWALE TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.

CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT	STABILIZED CONSTRUCTION ENTRANCE	
5/23/00 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 641S-1



1. STEEL OR WOOD POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF 300 mm (12 INCHES). IF WOOD POSTS CANNOT ACHIEVE 300 mm (12 inches) DEPTH, USE STEEL POSTS.
2. THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW.
3. THE TRENCH MUST BE A MINIMUM OF 150 mm (6 inches) DEEP AND 150 mm (6 inches) WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
4. SILT FENCE FABRIC SHOULD BE SECURELY FASTENED TO EACH STEEL OR WOOD SUPPORT POST OR TO WOVEN WIRE , WHICH IS IN TURN ATTACHED TO THE STEEL OR WOOD FENCE POST.
5. INSPECTION SHALL BE MADE WEEKLY OR AFTER EACH RAINFALL EVENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTY AS NEEDED.
6. SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
7. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 150 mm (6 inches). THE SILT SHALL BE DISPOSED OF ON AN APPROVED SITE AND IN SUCH A MANNER THAT WILL NOT CONTRIBUTE TO ADDITIONAL SILTATION.

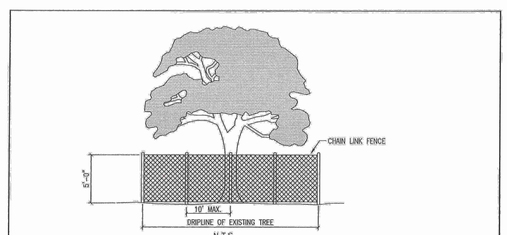
CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT	SILT FENCE	
9/1/2011 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 642S-1



NOTES

1. ACTUAL LAYOUT DETERMINED IN FIELD

STATE OF TEXAS WAYNE S. WATTS 85124 REGISTERED PROFESSIONAL ENGINEER	Wayne S. Watts 01/30/15	City Of Leander, Texas
		303-1 CONCRETE WASHOUT



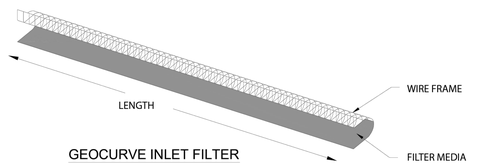
1. TREE PROTECTION FENCES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY SITE PREPARATION WORK (CLEARING, GRUBBING OR GRADING).
2. FENCES SHALL COMPLETELY SURROUND THE TREE, OR CLUSTERS OF TREES; SHALL BE LOCATED AT THE OUTERMOST LIMIT OF THE TREE BRANCHES (DRIPLINE), AND SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROJECT IN ORDER TO PREVENT THE FOLLOWING:
   A. SOIL COMPACTION IN THE ROOT ZONE AREA RESULTING FROM VEHICULAR TRAFFIC, OR STORAGE OF EQUIPMENT OR MATERIALS.
   B. ROOT ZONE DISTURBANCES DUE TO GRADE CHANGES (GREATER THAN SIX INCHES (6")) CUT OR FILL, OR TRENCHING NOT REVIEWED AND AUTHORIZED BY THE CITY.
   C. WOUNDS TO EXPOSED ROOTS, TRUNKS OR LIMBS BY MECHANICAL EQUIPMENT,
   D. OTHER ACTIVITIES DETRIMENTAL TO TREES, SUCH AS CHEMICAL STORAGE, CEMENT TRUCK CLEANING AND FIRE.
3. EXCEPTIONS TO INSTALLING FENCES AT TREE DRIPLINES MAY BE PERMITTED IN THE FOLLOWING CASES:
   A. WHERE PERMEABLE PAVING IS TO BE INSTALLED, ERECT THE FENCE AT THE OUTER LIMITS OF THE PERMEABLE PAVING AREA.
   B. WHERE TREES ARE CLOSE TO PROPOSED BUILDINGS, ERECT THE FENCE NO CLOSER THAN SIX FEET (6'-0") TO BUILDING.
4. CRITICAL ROOT ZONE REQUIREMENTS
   A. NO CONSTRUCTION OR DISTURBANCE SHALL OCCUR WITHIN AN AREA THAT CONSTITUTES MORE THAN FIFTY (50%) OF THE TOTAL CRITICAL ROOT ZONE AND ONE HALF THE RADIAL DISTANCE OF THE CRITICAL ROOT ZONE FOR EACH TREE BEING PRESERVED INCLUDING SIGNIFICANT TREES, HERITAGE TREES, AND ANY OTHER TREES FOR WHICH PRESERVATION IS TO BE CREDITED. THE REMAINING CRITICAL ROOT ZONE SHALL CONSIST OF AT LEAST ONE HUNDRED (100) SQUARE FEET.
   B. THIS DEFINED AREA SHALL BE FLAGGED AND ENCIRCLED WITH PROTECTIVE FENCING DURING CONSTRUCTION. THE PLANNING DIRECTOR MAY APPROVE CONSTRUCTION CLOSER TO THE TRUNK THAN ONE HALF (½) THE RADIAL DISTANCE, DEPENDING ON THE SIZE, SPACING, OR SPECIES OF THE TREE, THE TYPE OF DISTURBANCE PROPOSED, AND UNIQUENESS OF THE SITUATION.
   C. CUT OR FILL THAT IS GREATER THAN FOUR (4) INCHES IN DEPTH AND THE SEVERING OF MAJOR ROOTS SHALL BE CONSIDERED DISTURBANCE FOR THE PURPOSES OF THIS ORDINANCE.
   D. WITHIN THE PROTECTED CRITICAL ROOT ZONE, ONLY FLATWORK, DECKING, OR SIMILAR CONSTRUCTION, MAY BE APPROVED AND SHALL NOT AFFECT THE BRANCHING OF THE TREE.
   E. IF PROPOSED OR ACTUAL PROTECTION OF THE CRITICAL ROOT ZONE OF A TREE DOES NOT MEET THE REQUIREMENTS OF THIS SECTION, THEN THE TREE SHALL BE CONSIDERED REMOVED AND SHALL REQUIRE MITIGATION IN ACCORDANCE WITH THIS ORDINANCE.

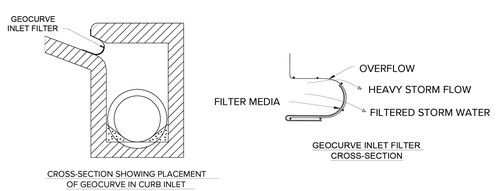
STATE OF TEXAS WAYNE S. WATTS 85124 REGISTERED PROFESSIONAL ENGINEER	Wayne S. Watts 08/21/15	City Of Leander, Texas
		303-2 TREE PROTECTION

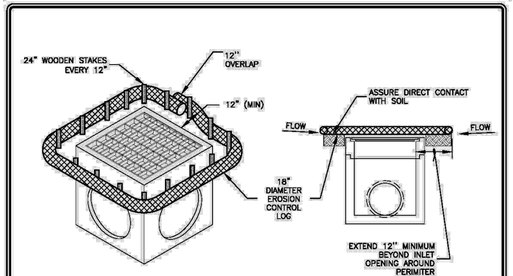
GeoCurve Product Data Sheet

GEOCURVE
STORMWATER CURB INLET FILTER

The GeoCurve Stormwater Curb Inlet Filter prevents sediment and debris from entering the storm sewer system, while complying to stormwater management requirements (SWPPP). The GeoCurve's compression fit technology allows the product to fit snug within the mouth of the inlet, hidden from oncoming traffic and pedestrians.







NOTES:

1. EROSION CONTROL LOG CONTAINMENT MESH SHALL BE 100% BIODEGRADABLE, PHOTODEGRADABLE OR RECYCLABLE; AND FILL MATERIAL SHALL CONSIST OF MULCH, ASPEN EXCELSIOR FIBERS, CHIPPED SITE VEGETATION, COCONUT FIBERS, 100% RECYCLABLE FIBERS, OR ANY OTHER ACCEPTABLE MATERIAL EXCLUDING STRAW AND HAY.
2. DAILY INSPECTION SHALL BE MADE BY THE CONTRACTOR AND SILT ACCUMULATION MUST BE REMOVED WHEN DEPTH REACHES 6".
3. CONTRACTOR SHALL MONITOR THE PERFORMANCE OF INLET PROTECTION DURING EACH RAINFALL EVENT AND IMMEDIATELY CLEAN THE INLET PROTECTION IF EXCESSIVE PONDING OCCURS.
4. INLET PROTECTIONS SHALL BE REMOVED AS SOON AS THE SOURCE OF SEDIMENT IS STABILIZED.

RECORD SIGNED COPY ON FILE AT PUBLIC WORKS	CITY OF ROUND ROCK	DRAWING NO: EC-16
APPROVED 03-25-11 DATE	AREA INLET PROTECTION WITH EROSION CONTROL LOG DETAIL	ROUND ROCK, TEXAS PEOPLE, PASSION, PROGRESS
THE ARCHITECT/ENGINEERS ASSUMES RESPONSIBILITY FOR THE APPROPRIATE USE OF THIS DETAIL. (NOT TO SCALE)		

LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
LEANDER TEXAS
SD- -

LEANDER I.S.D.
204 W. SOUTH ST.
LEANDER TEXAS

halff
13620 BRIARWICK DR. SUITE 100
AUSTIN, TEXAS 78729
TEL: (512)777-4600

REVISION NO.	DATE	DESCRIPTION

STATE OF TEXAS
ZHIPENG XING, P.E.
127763
LICENSED PROFESSIONAL ENGINEER
1/28/2026

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY ZHIPENG XING, P.E. LIC. # 127763

I CERTIFY THAT THESE DRAWINGS ARE COMPLETE, ACCURATE AND ADEQUATE FOR THEIR INTENDED PURPOSES, INCLUDING CONSTRUCTION, BUT ARE NOT AUTHORIZED FOR CONSTRUCTION UNTIL FORMAL CITY APPROVAL.

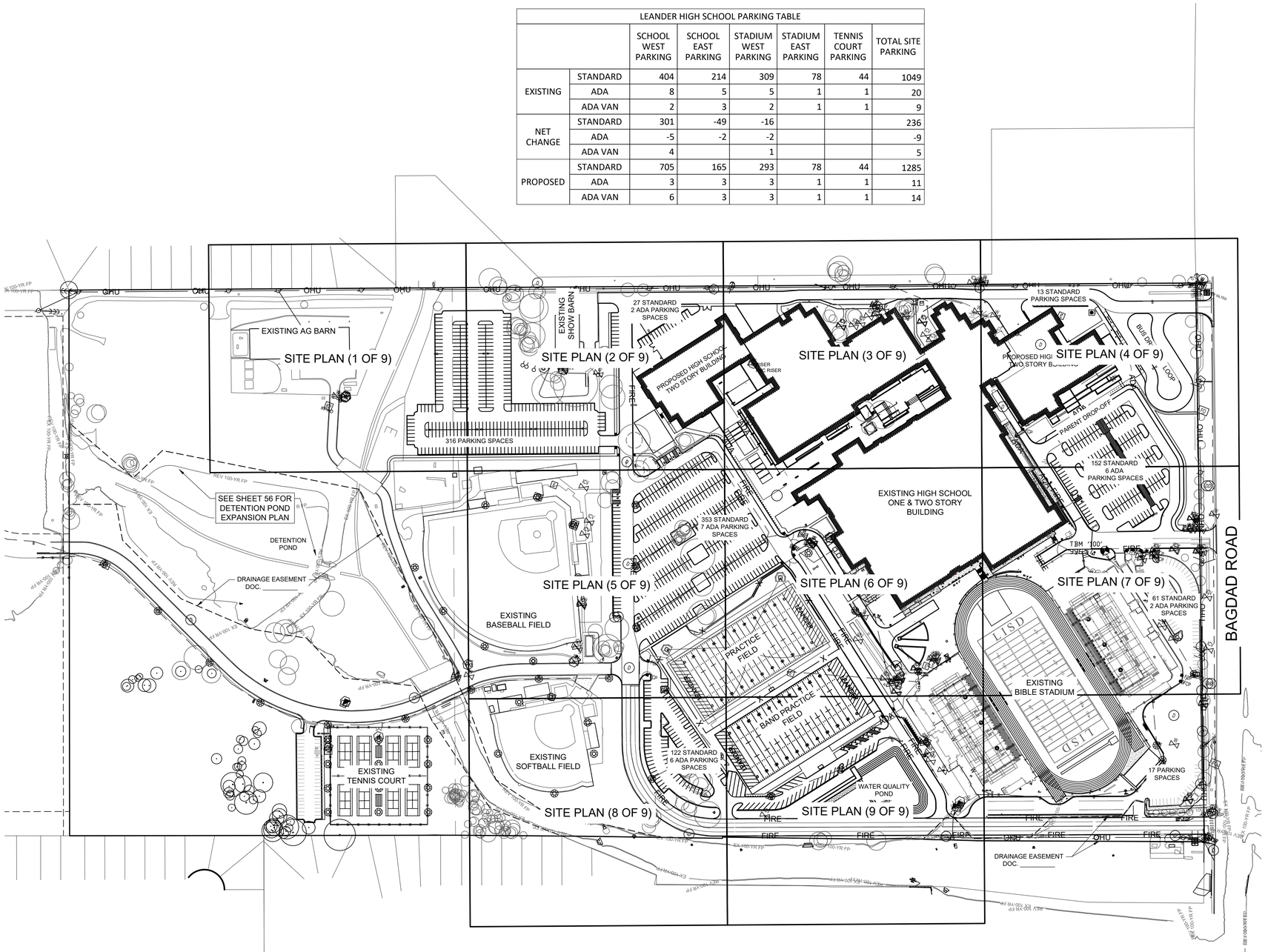
PROJECT NO.:	53112.009
ISSUED:	1/28/2026
DRAWN BY:	--
CHECKED BY:	--
SCALE:	N.T.S.

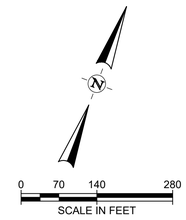
SHEET TITLE

EROSION CONTROL DETAILS

FILE NAME: A:\53000s\53112009\PW\CADD\Sheets\C-DTLS-53112.09.dwg DATE: January 28, 2026, TIME: 9:28 AM, USER: ah3305 AVO: 53112.002

LEANDER HIGH SCHOOL PARKING TABLE							
		SCHOOL WEST PARKING	SCHOOL EAST PARKING	STADIUM WEST PARKING	STADIUM EAST PARKING	TENNIS COURT PARKING	TOTAL SITE PARKING
EXISTING	STANDARD	404	214	309	78	44	1049
	ADA	8	5	5	1	1	20
	ADA VAN	2	3	2	1	1	9
NET CHANGE	STANDARD	301	-49	-16			236
	ADA	-5	-2	-2			-9
	ADA VAN	4		1			5
PROPOSED	STANDARD	705	165	293	78	44	1285
	ADA	3	3	3	1	1	11
	ADA VAN	6	3	3	1	1	14





LEGEND

LOC	LIMITS OF CONSTRUCTION
FIRE	FIRE LANE
ADA	ADA PATH
	EASEMENT
EX 100-YR FP	EXISTING FLOODPLAIN
REV 100-YR FP	PROPOSED FLOODPLAIN

NOTES:

1. ALL PROPOSED SITE UTILITY LINES ARE TO BE LOCATED UNDERGROUND.
2. CURBS SHALL BE CATCH CURB WHERE SITE IS GRADED DOWN TOWARD CURB AND SHALL BE SPILL CURB WHERE GRADING IS AWAY FROM CURB CONTRACTOR SHALL TRANSITION BETWEEN CATCH/SPILL CURB AS NECESSARY.
3. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
4. LONGITUDINAL SLOPES ON ACCESSIBLE ROUTS MAY NOT EXCEED 1:20 UNLESS DESIGNED AS A RAMP.
5. THE MAXIMUM SLOPE OF A RAMP IN NEW CONSTRUCTION IS 1:12. THE MAXIMUM RISE FOR ANY RAMP RUN IS 30 INCHES.
6. ACCESSIBLE ROUTES MUST HAVE A CROSS-SLOPE NO GREATER THAN 1:50.
7. GROUND SURFACES ALONG ACCESSIBLE ROUTES MUST BE STABLE, FIRM, AND SLIP RESISTANT.
8. EXTERIOR LIGHTING SHALL BE SHIELDED SUCH THAT THE LIGHT SOURCE IS NOT DIRECTLY VISIBLE FROM THE PUBLIC R.O.W. OR ADJACENT RESIDENTIAL DISTRICTS OR USES AT THE PROPERTY LINE. UNSHIELDED "WALL PACK" LIGHTING IS NOT PERMITTED.
9. FIRE LANE STRIPING: CURB OR 6" PAVEMENT STRIPE, PAINTED RED W/ 4" WHITE LETTERS MARKED "FIRE LANE TOW-AWAY ZONE" EVERY 25 FEET.
10. ALL CHAIN-LINK FENCING (INCLUDING ALL METAL PARTS) WILL BE BLACK OR GREEN VINYL COATED. - OWNER TO SELECT COLOR.
11. ALL DISTURBED AREAS WILL BE RE-VEGETATED.
12. WHERE SIDEWALKS ARE ADJACENT TO CURB THE INDICATED WIDTH OF SIDEWALK IS MEASURED FROM BACK OF CURB.
13. AL CLAWSON DISPOSAL, INC. SHALL BE THE SOLE PROVIDER FOR WASTE HAULING FOR THIS SITE AFTER CONSTRUCTION.
14. AIR CONDITIONING UNITS ARE NOT PROPOSED FORWARD THE FRONT WALL OF THE BUILDING. GARBAGE DUMPSTERS ARE LOCATED NO CLOSER TO A ROADWAY THAN THE FRONT WALL OF THE PRINCIPAL STRUCTURE LOCATED CLOSEST TO THE ROADWAY. GARBAGE DUMPSTERS ARE SCREENED BY A WALL (COMPRISED OF MASONRY COMPATIBLE WITH THE STRUCTURE OR WOODCRETE) AT LEAST AS HIGH AS THE CONTAINER. THE OPEN SIDE TO THE DUMPSTER OR OTHER TRASH RECEPTACLE IS A GATE CONSTRUCTED OF SOLID WOOD OR METAL. THE DUMPSTER IS ORIENTED FOR PICKUP BY A FRONT LOAD GARBAGE TRUCK.
15. 90 GALLON ROLL OUT CONTAINER STORED OUTSIDE, IT IS REQUIRED TO BE ENCLOSED BY PRIVACY FENCE.
16. REFERENCE GENERAL NOTE SHEET 3 FOR ADDITIONAL NOTES.
17. SEE ARCHITECTURAL PLANS FOR DETAILS OF PEDESTRIAN HANDRAILS AND GUARDRAILS.
18. SEE GENERAL NOTE SHEET 3, STREET AND DRAINAGE NOTE 12, AND PAVEMENT SECTION DETAILS SHEET. FOR PAVEMENT THICKNESS.
19. SEE STRUCTURAL PLANS FOR DETAILS OF ROCK WALL AND RETAINING WALL.
20. THE SCHOOL DISTRICT WILL ASSUME THE RISK AND LIABILITY OF NOT HAVING THE TITLE COMMITMENT AND/OR TITLE REPORT.

811 Know what's **below.** **Call** before you dig.

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LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
LEANDER TEXAS
SD-

LEANDER I.S.D.
204 W. SOUTH ST.
LEANDER TEXAS

halff
13620 BRUARWICK DR. SUITE 100
AUSTIN, TEXAS 78729
TEL: (512) 777-4800

REVISION NO.	DATE	DESCRIPTION

STATE OF TEXAS
ZHIPENG XING, P.E.
127763
LICENSED PROFESSIONAL ENGINEER
1/28/2026
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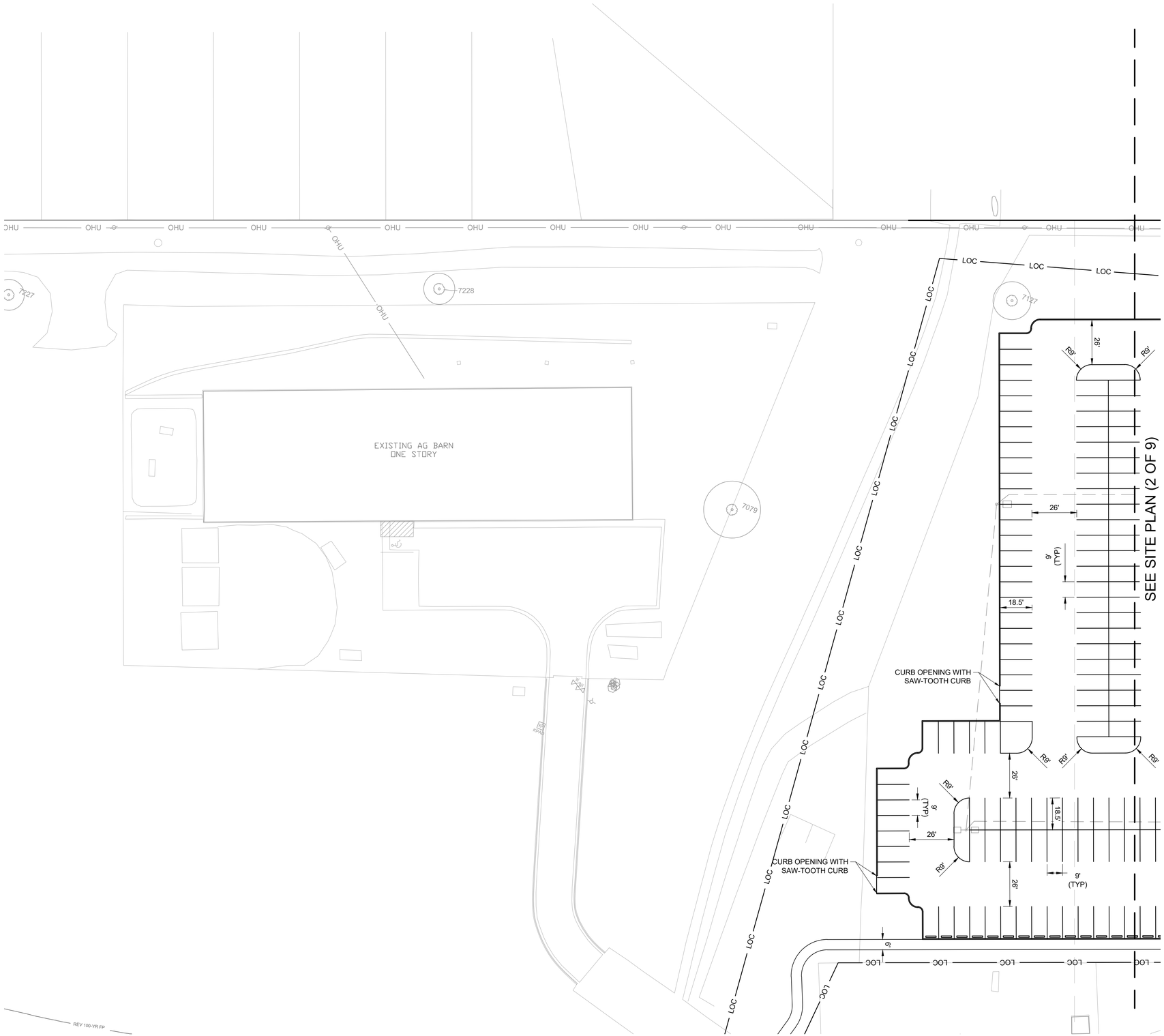
PROJECT NO.:	53112.009
ISSUED:	1/28/2026
DRAWN BY:	--
CHECKED BY:	--
SCALE:	1" = 140'

SHEET TITLE

OVERALL SITE PLAN

FILE NAME: A:\53000s\53112\009\PW\CADD\Sheets\C-OVER-SITE-53112.09.dwg DATE: January 28, 2026, TIME: 9:29 AM, USER: ah3305 AVO: 53112.002



0 15 30 60
SCALE IN FEET

LEGEND

LOC — LIMITS OF CONSTRUCTION
FIRE — FIRE LANE
ADA — ADA PATH

LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
LEANDER TEXAS
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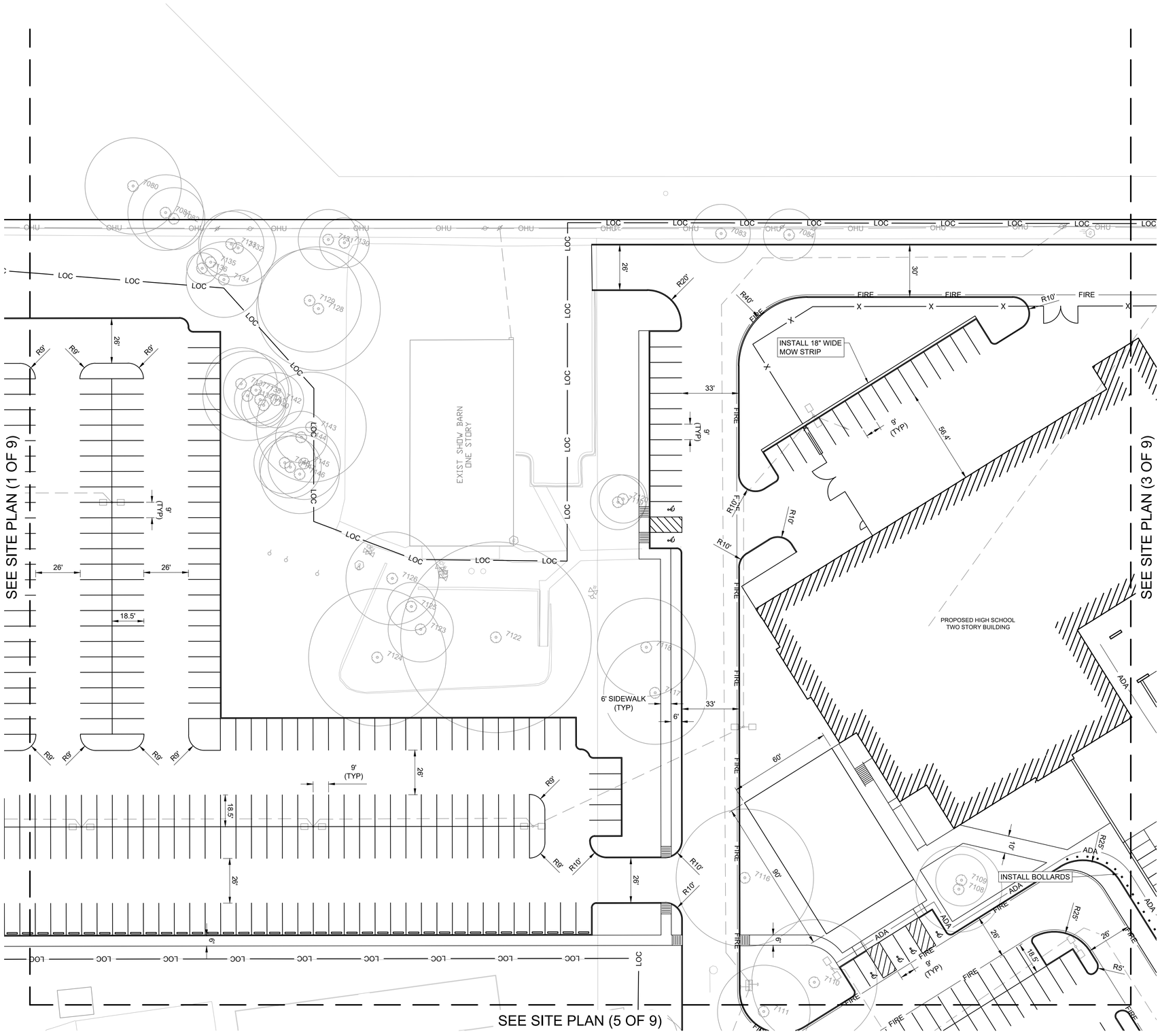
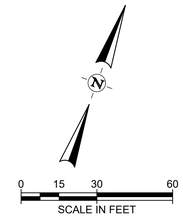
PROJECT NO.:	53112.009
ISSUED:	1/28/2026
DRAWN BY:	--
CHECKED BY:	--
SCALE:	1" = 30'

SHEET TITLE

SITE PLAN (1 OF 9)

FILE NAME: A:\53000s\53112\009\PW\CADD\Sheets\C-PLAN-SITE-53112.09.dwg DATE: January 28, 2026, TIME: 9:29 AM, USER: ah3305 AVO: 53112.002





LEGEND

LOC	LIMITS OF CONSTRUCTION
FIRE	FIRE LANE
ADA	ADA PATH

LEANDER HS MASTER PLAN

MODERNIZATION PHASE 2
LEANDER TEXAS
SD- -

LEANDER I.S.D.
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127763
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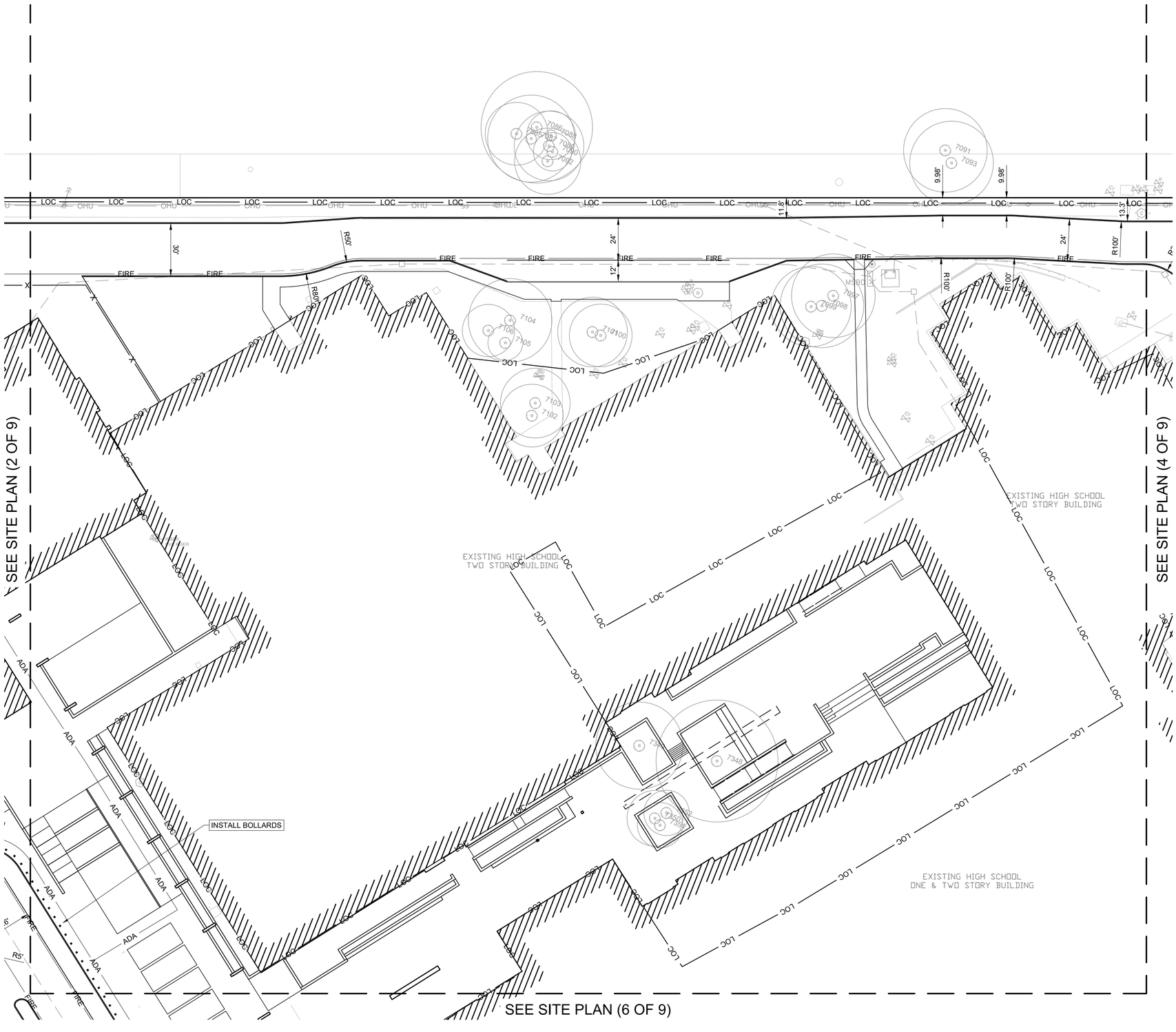
PROJECT NO.:	53112.009
ISSUED:	1/28/2026
DRAWN BY:	--
CHECKED BY:	--
SCALE:	1" = 30'

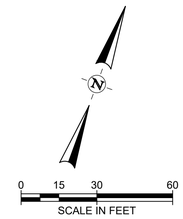
SHEET TITLE

SITE PLAN (2 OF 9)

29 OF 104

FILE NAME: A:\53000s\53112009\PWCADD\Sheets\C-PLAN-SITE-53112.09.dwg DATE: January 28, 2026, TIME: 9:29 AM, USER: ah3305 A\O: 53112.002





LEGEND

LOC	LIMITS OF CONSTRUCTION
FIRE	FIRE LANE
ADA	ADA PATH

LEANDER HS MASTER PLAN

MODERNIZATION PHASE 2
LEANDER TEXAS
SD- -

LEANDER I.S.D.

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ESTATE OF TEXAS
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127763
LICENSED
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SITE PLAN (3 OF 9)

30 OF 104

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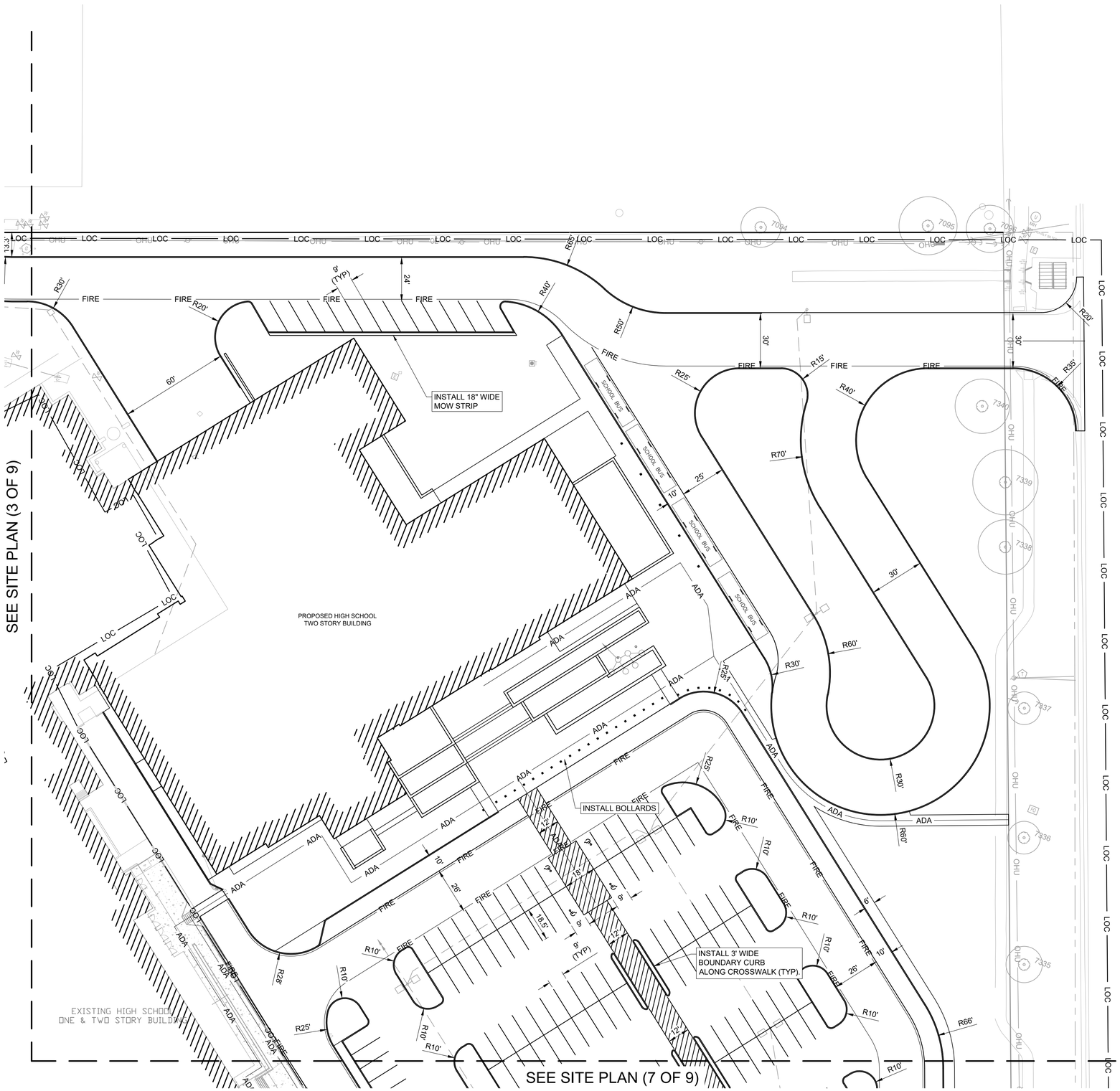
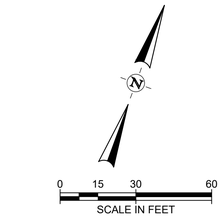
FILE NAME: A:\53000s\53112009\PWCADD\Sheets\C-PLAN-SITE-53112.09.dwg DATE: January 28, 2026, TIME: 9:29 AM, USER: ah3305 AVO: 53112.002





LEGEND

LOC	LIMITS OF CONSTRUCTION
FIRE	FIRE LANE
ADA	ADA PATH

LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
LEANDER TEXAS
SD- -

LEANDER I.S.D.
204 W. SOUTH ST.
LEANDER TEXAS

halff
13620 BRIARWICK DR. SUITE 100
AUSTIN, TEXAS 78729
TEL: (512) 777-4600

REVISION

NO.	DATE	DESCRIPTION

ESTATE OF TEXAS
ZHIPENG XING, P.E.
127763
LICENSED PROFESSIONAL ENGINEER
1/28/2026

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY ZHIPENG XING, P.E. LIC. # 127763

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PROJECT NO.:	53112.009
ISSUED:	1/28/2026
DRAWN BY:	--
CHECKED BY:	--
SCALE:	1" = 30'

SHEET TITLE

SITE PLAN (4 OF 9)

31 OF 104

811
Know what's **below.**
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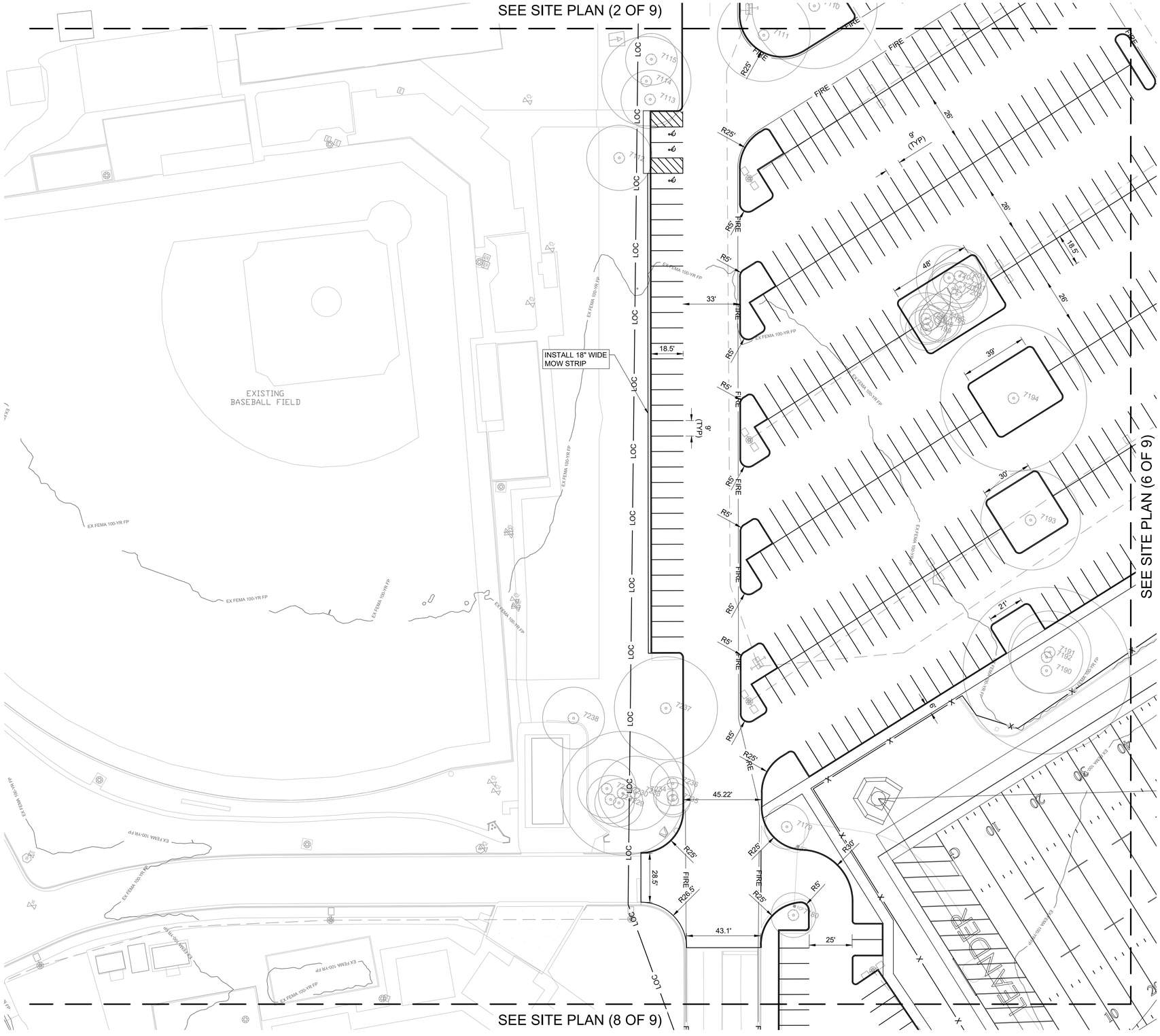
SEE SITE PLAN (2 OF 9)
SEE SITE PLAN (6 OF 9)
SEE SITE PLAN (8 OF 9)
EXISTING
BASEBALL FIELD
INSTALL 18" WIDE
MOW STRIP
LOC
FIRE
ADA
EX FEMA 100-YR FP
33'
18.5'
9' (TYP)
26'
48'
39'
30'
21'
45.22'
28.5'
43.1'
25'
R25'
R5'
R30'
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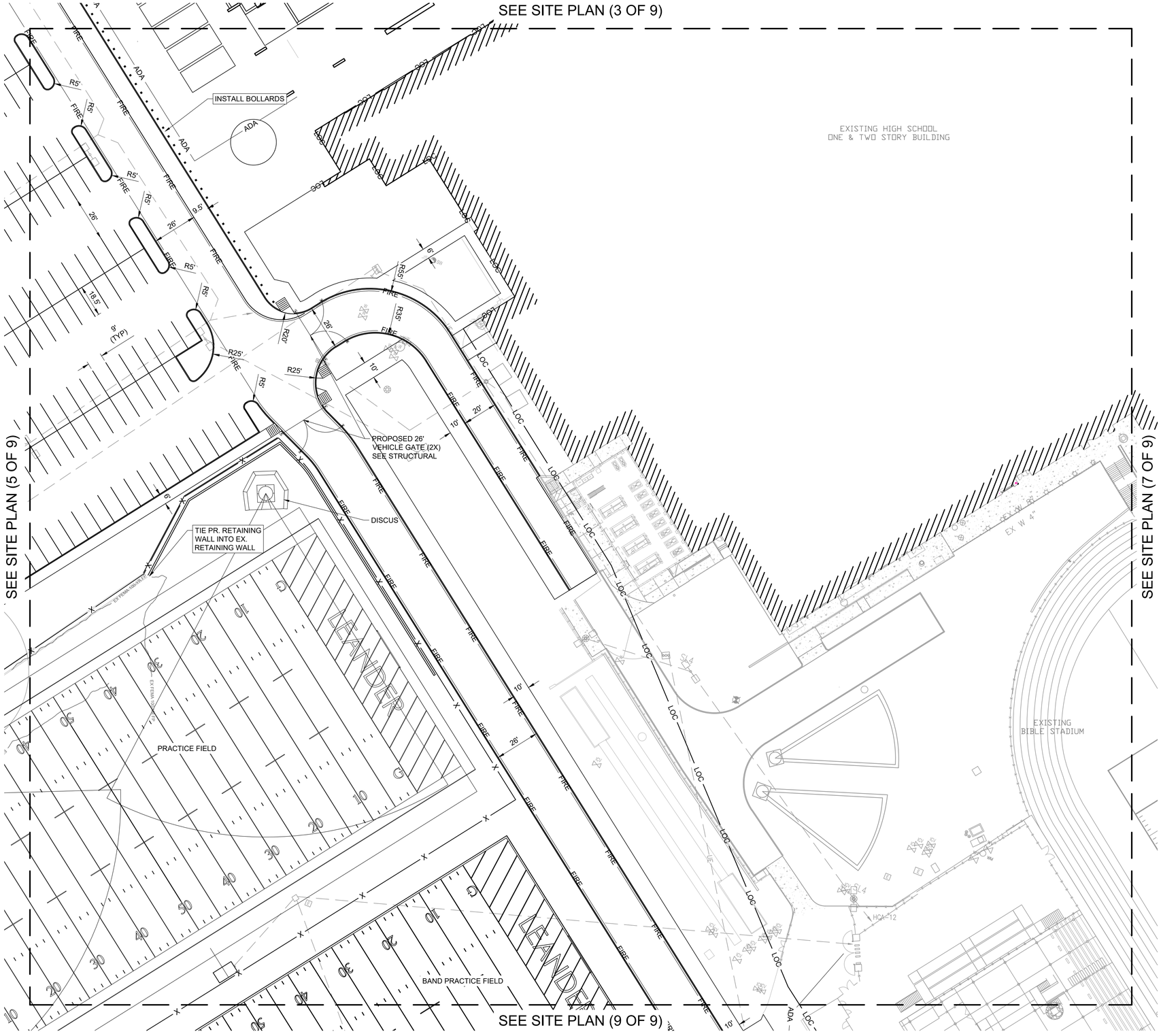

0 15 30 60
SCALE IN FEET

LEGEND

LOC — LIMITS OF CONSTRUCTION
FIRE — FIRE LANE
ADA — ADA PATH

LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
LEANDER TEXAS
SD- -

LEANDER I.S.D.
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CHECKED BY:	--
SCALE:	1" = 30'

SHEET TITLE

SITE PLAN (6 OF 9)

FILE NAME: A:\53000s\53112009\PWCADD\Sheets\C-PLAN-SITE-53112.09.dwg DATE: January 28, 2026, TIME: 9:30 AM, USER: ah3305 AVO: 53112.002

SEE SITE PLAN (4 OF 9)

SEE SITE PLAN (6 OF 9)

EXISTING HIGH SCHOOL
ONE & TWO STORY BUILDING

INSTALL 3' WIDE
BOUNDARY CURB
ALONG CROSSWALK (TYP).

INSTALL 18" WIDE
MOW STRIP

EXISTING
BIBLE STADIUM

LISD

EX W 8"

EX W 2"

TBM '100'
936.87

SL4

F1

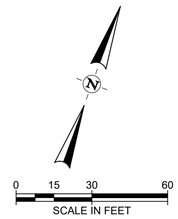
F2

HCB-6

OUTSIDE PAINT STRIPE

INSIDE PAINT STRIPE

EX FEMA 100 Yr



LEGEND

LOC	LIMITS OF CONSTRUCTION
FIRE	FIRE LANE
ADA	ADA PATH

LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
LEANDER TEXAS
SD- -

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SHEET TITLE

SITE PLAN (7 OF 9)

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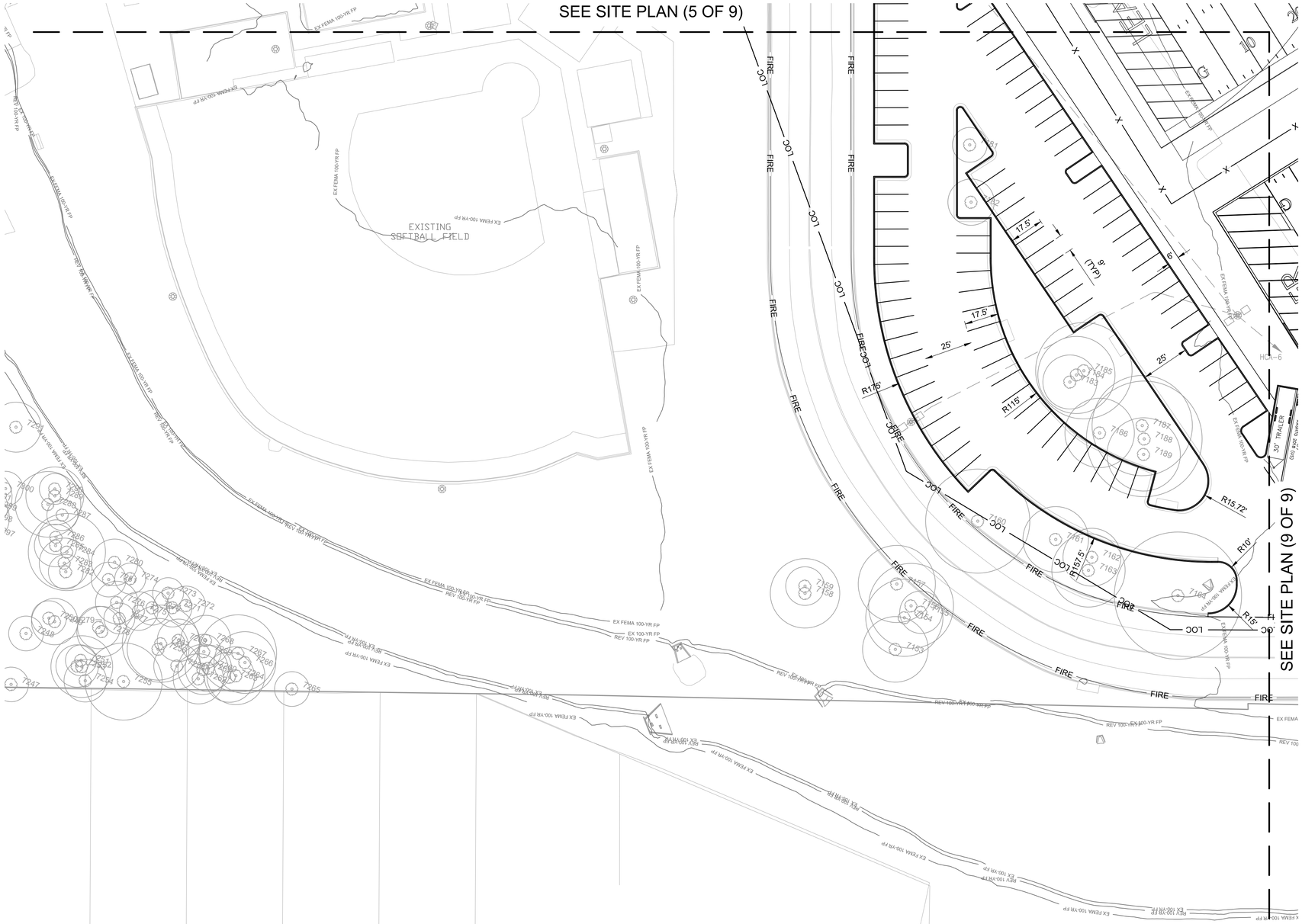

0 15 30 60
SCALE IN FEET

LEGEND

LOC — LIMITS OF CONSTRUCTION
FIRE — FIRE LANE
ADA — ADA PATH

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SHEET TITLE

SITE PLAN (8 OF 9)

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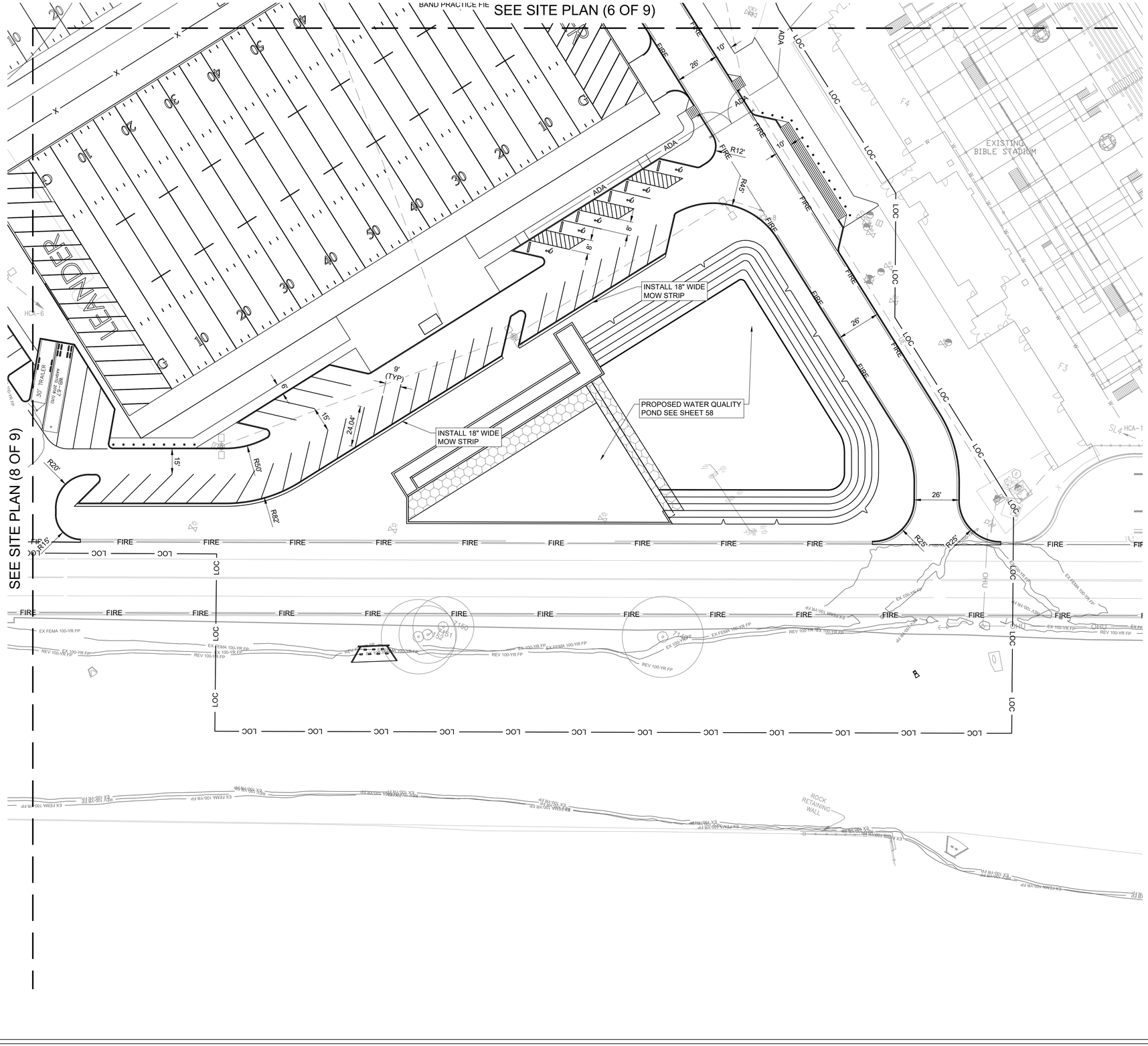

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SHEET TITLE

SITE PLAN (9 OF 9)

36 OF 104

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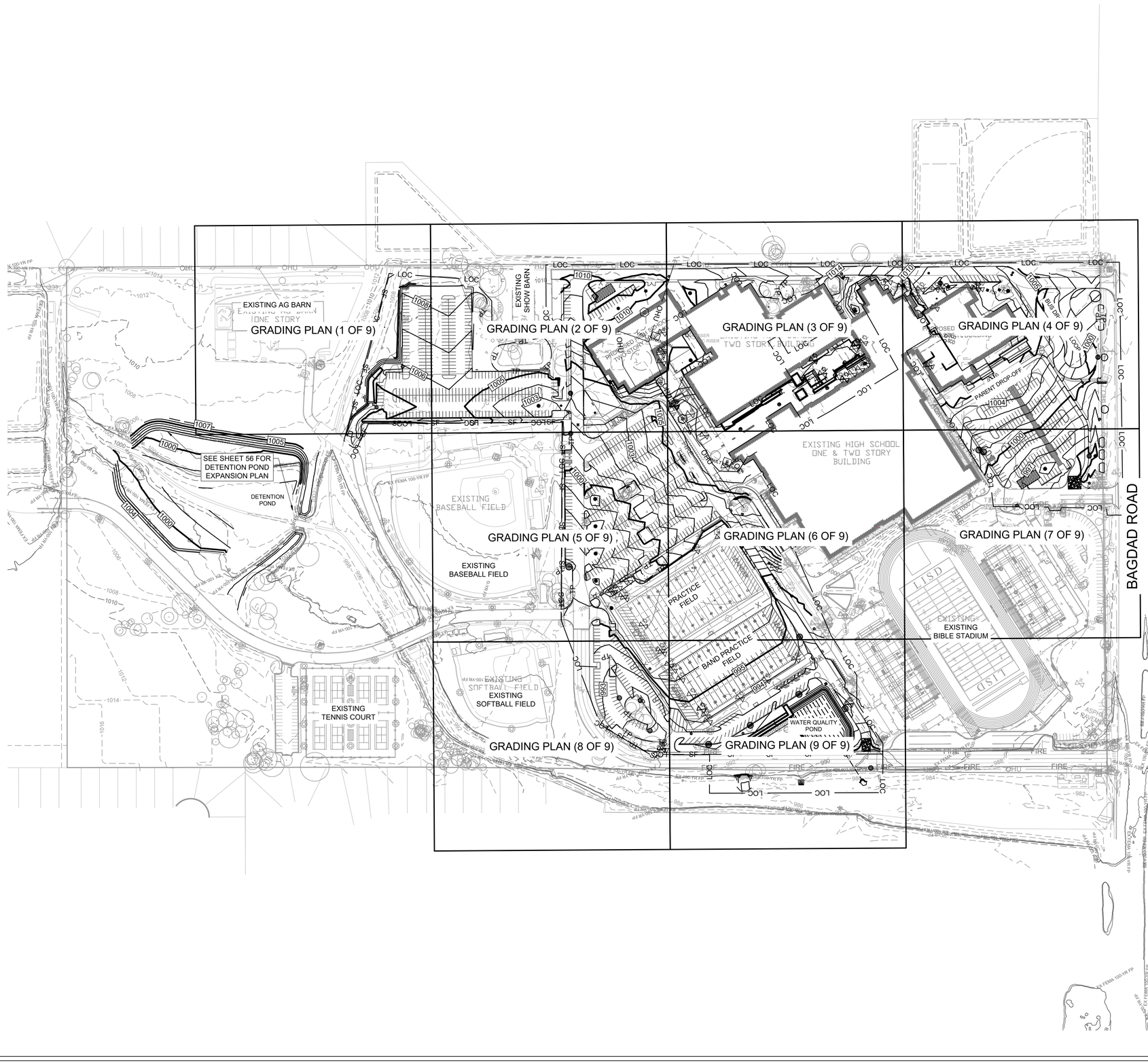

0 70 140 280
SCALE IN FEET

LEGEND

- LOC — LIMITS OF CONSTRUCTION
- XXX — PROPOSED CONTOUR
- XXX — EXISTING CONTOUR

LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
LEANDER TEXAS
SD- -

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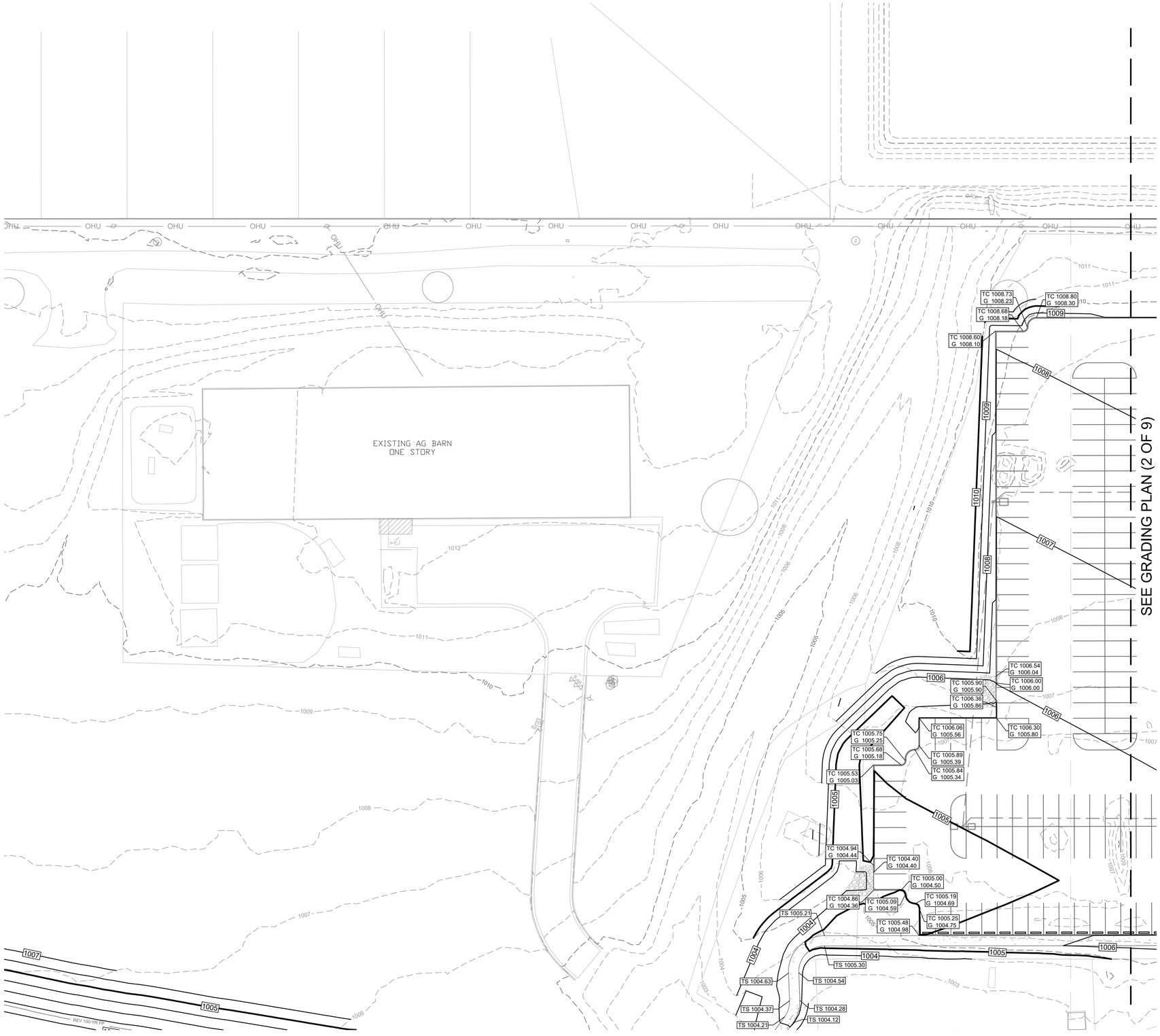
PROJECT NO.:	53112.009
ISSUED:	1/28/2026
DRAWN BY:	--
CHECKED BY:	--
SCALE:	1" = 140'

SHEET TITLE

OVERALL GRADING PLAN

37 OF 104

FILE NAME: A:\53000s\53112\009\PW\CADD\Sheets\C-OVER-GRAD-53112.09.dwg DATE: January 28, 2026, TIME: 9:30 AM, USER: ah3305 AVO: 53112.002



0 15 30 60
SCALE IN FEET

LEGEND

- XXX — PROPOSED CONTOUR
- XXX — EXISTING CONTOUR
- FG XXX.XX — FINISHED GRADE ELEVATION
- TC XXX.XX / G XXX.XX — TOP OF CURB ELEVATION / GUTTER ELEVATION
- TS XXX.XX — TOP OF SIDEWALK ELEVATION
- TG XXX.XX — TOP OF GRATE ELEVATION
- MH XXX.XX — TOP OF MANHOLE ELEVATION
- DI XXX.XX — DRAIN INLET ELEVATION
- TP XXX.XX — TOP OF PAVEMENT ELEVATION

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SD- -

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SHEET TITLE

GRADING PLAN
(1 OF 9)

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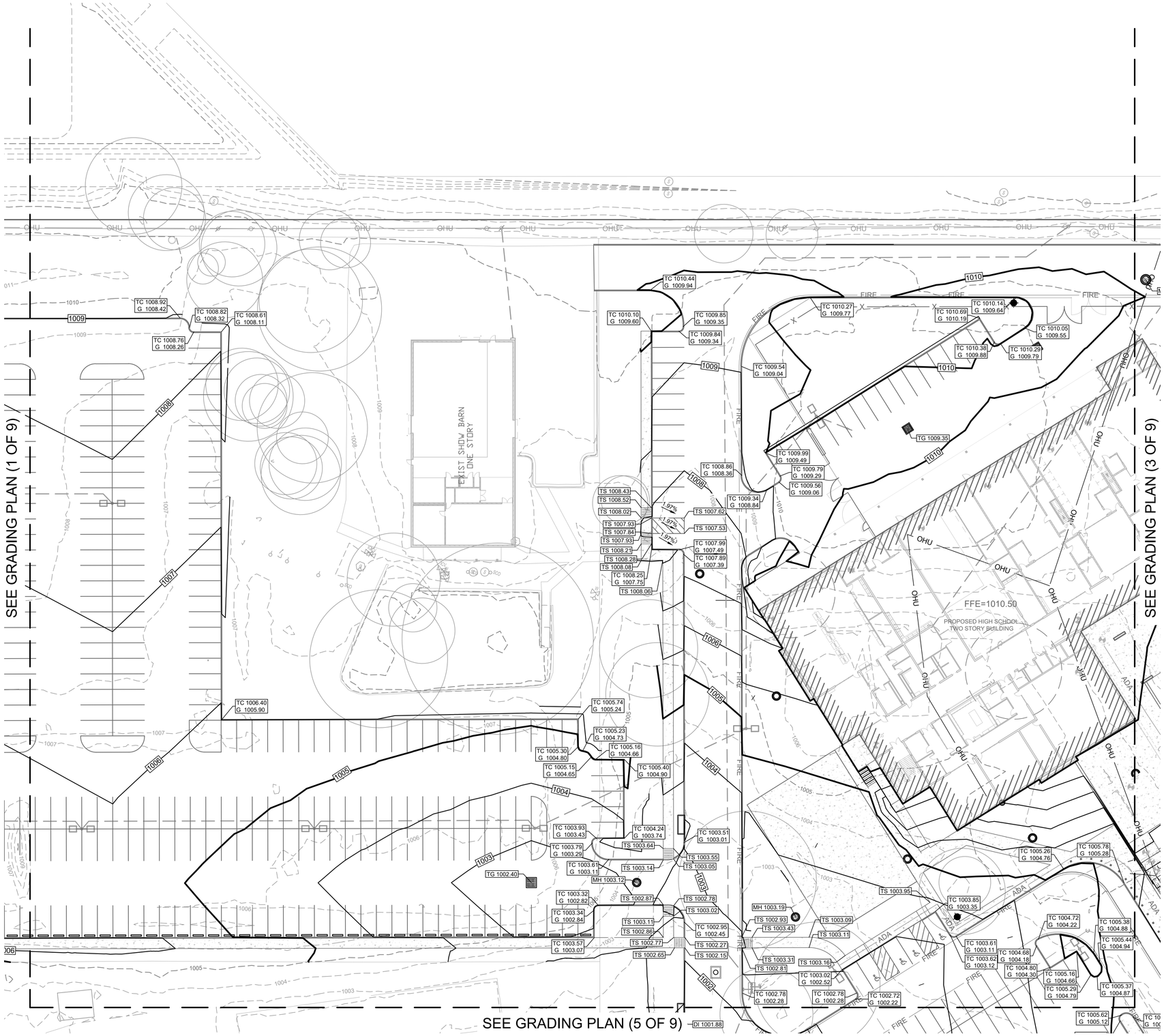

0 15 30 60
SCALE IN FEET

LEGEND

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- XXX — EXISTING CONTOUR
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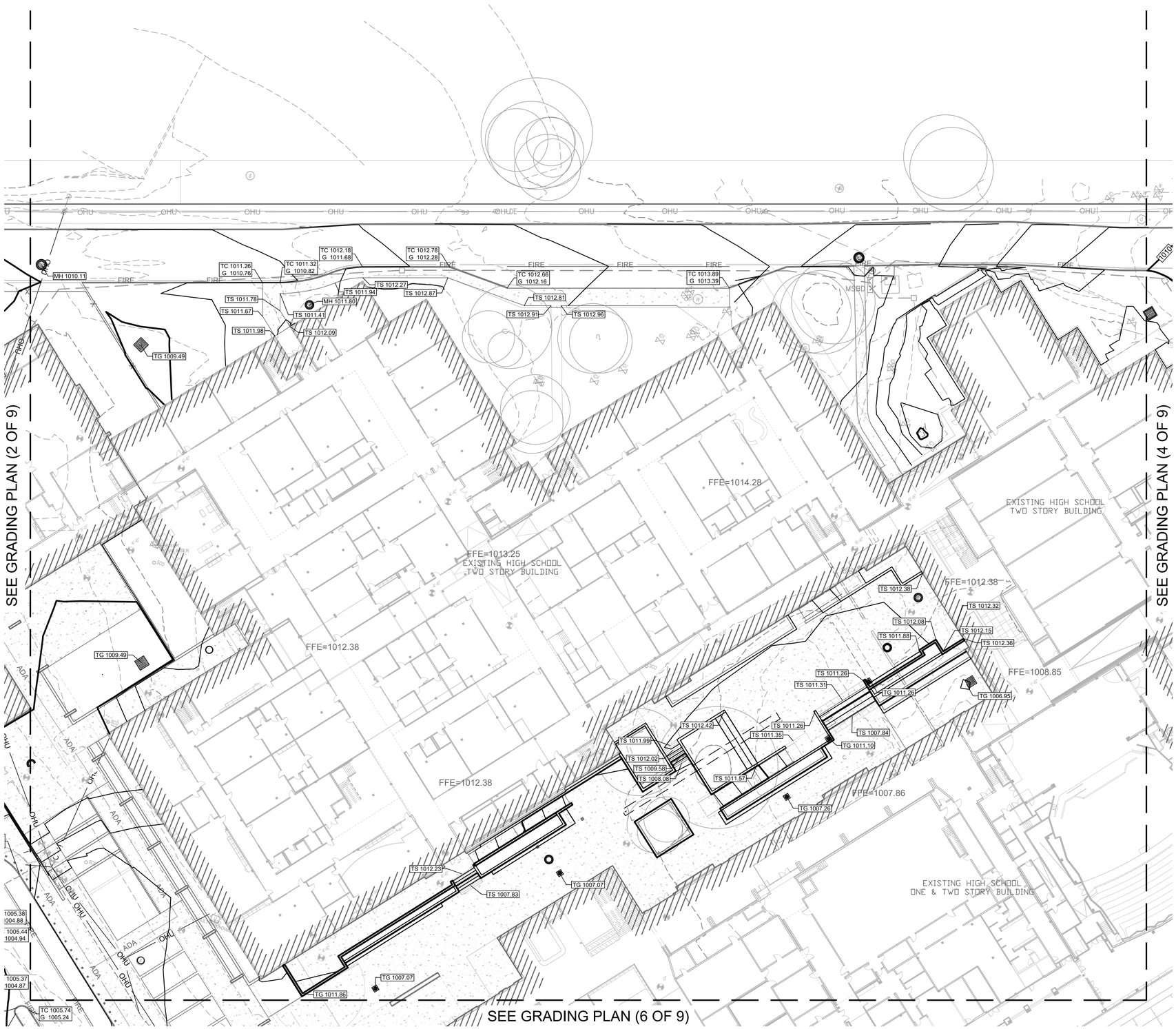
SHEET TITLE

GRADING PLAN
(2 OF 9)

FILE NAME: A:\53000s\53112\009\PW\CADD\Sheets\C-PLAN-GRAD-53112.09.dwg DATE: January 28, 2026, TIME: 9:31 AM, USER: ah3305 AVO: 53112.002



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127763
LICENSED PROFESSIONAL ENGINEER
1/28/2026

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY ZHIPENG XING, P.E. LIC. # 127763

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PROJECT NO.:	53112.009
ISSUED:	1/28/2026
DRAWN BY:	--
CHECKED BY:	--
SCALE:	1" = 30'

SHEET TITLE

GRADING PLAN
(3 OF 9)

40 OF 104

811 Know what's **below.** **Call** before you dig.

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FILE NAME: A:\53000s\53112009\PWCADD\Sheets\C-PLAN-GRAD-53112.09.dwg DATE: January 28, 2026, TIME: 9:32 AM, USER: ah3305 AVO: 53112.002

LEGEND

XXX	PROPOSED CONTOUR
XXX	EXISTING CONTOUR
FG XXX.XX	FINISHED GRADE ELEVATION
TC XXX.XX G XXX.XX	TOP OF CURB ELEVATION GUTTER ELEVATION
TS XXX.XX	TOP OF SIDEWALK ELEVATION
TG XXX.XX	TOP OF GRATE ELEVATION
MH XXX.XX	TOP OF MANHOLE ELEVATION
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LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
LEANDER TEXAS
SD- -

LEANDER I.S.D.
204 W. SOUTH ST.
LEANDER TEXAS

halff
13620 BRIARWICK DR. SUITE 100
AUSTIN, TEXAS 78729
TEL: (512) 777-4600

REVISION		
NO.	DATE	DESCRIPTION

STATE OF TEXAS
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1/28/2026

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SHEET TITLE

GRADING PLAN
(4 OF 9)

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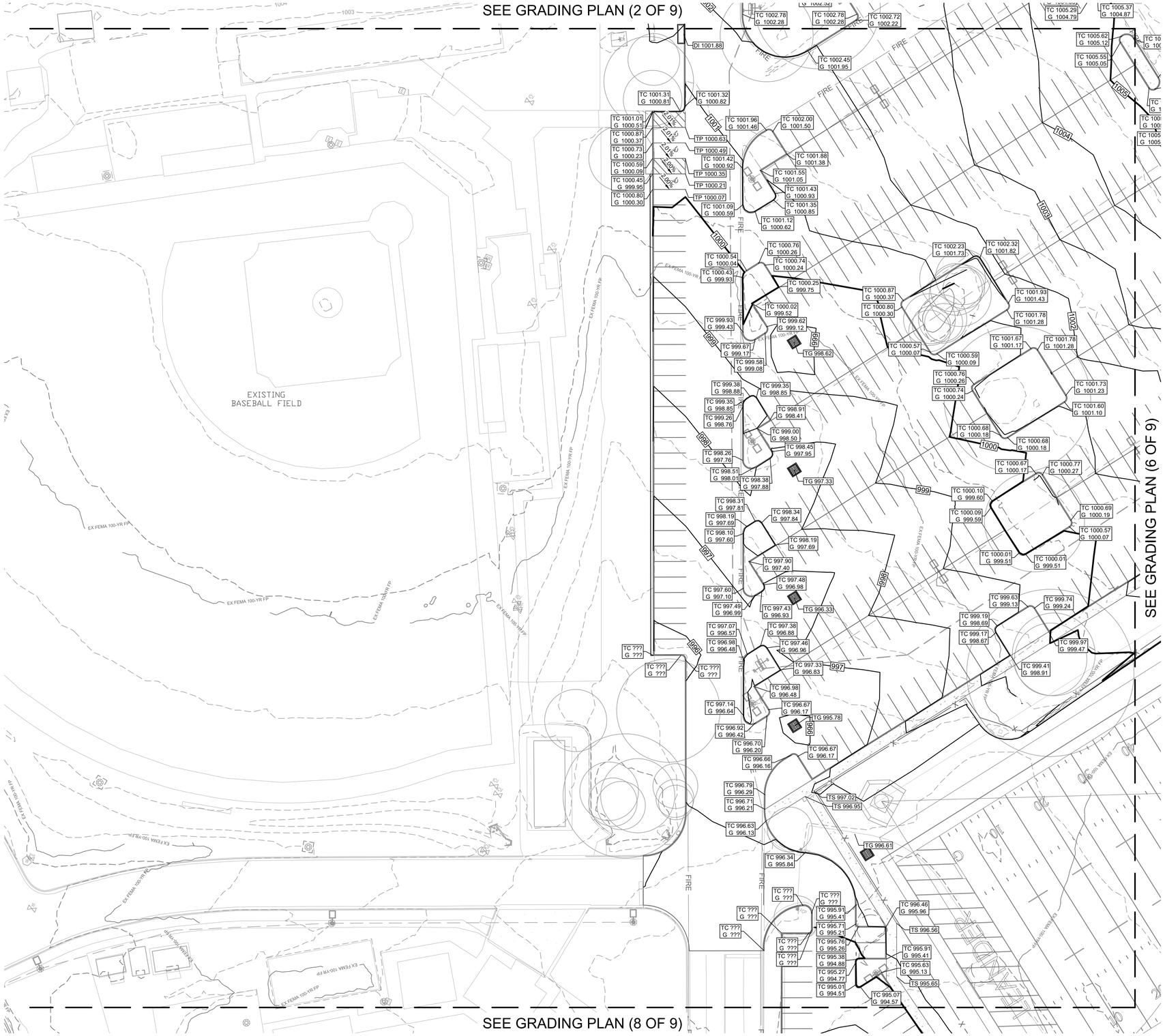

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SHEET TITLE

GRADING PLAN
(5 OF 9)

42 OF 104

811
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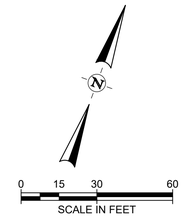

LEGEND

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GRADING PLAN
(6 OF 9)

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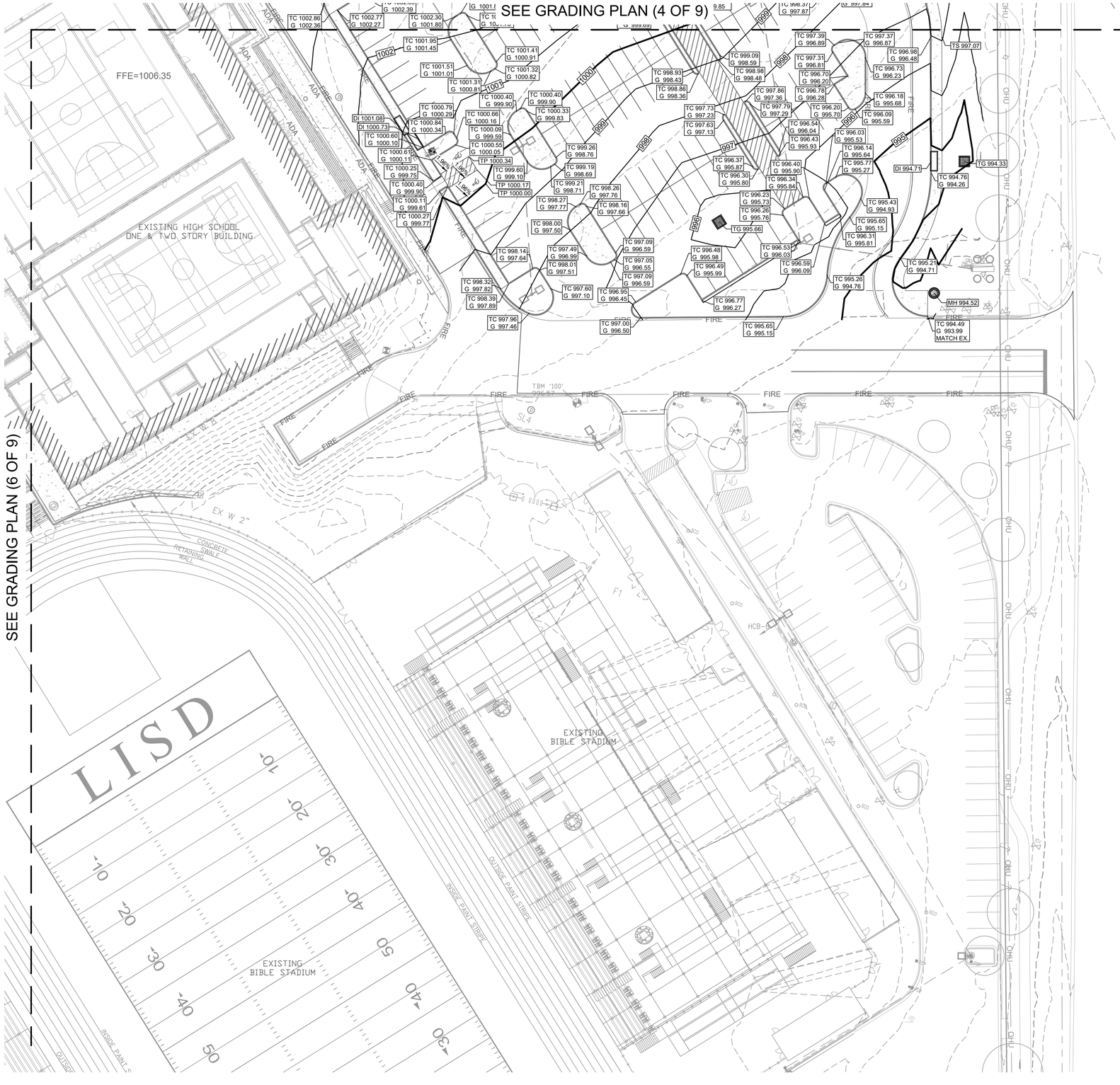

0 15 30 60
SCALE IN FEET

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GRADING PLAN
(7 OF 9)

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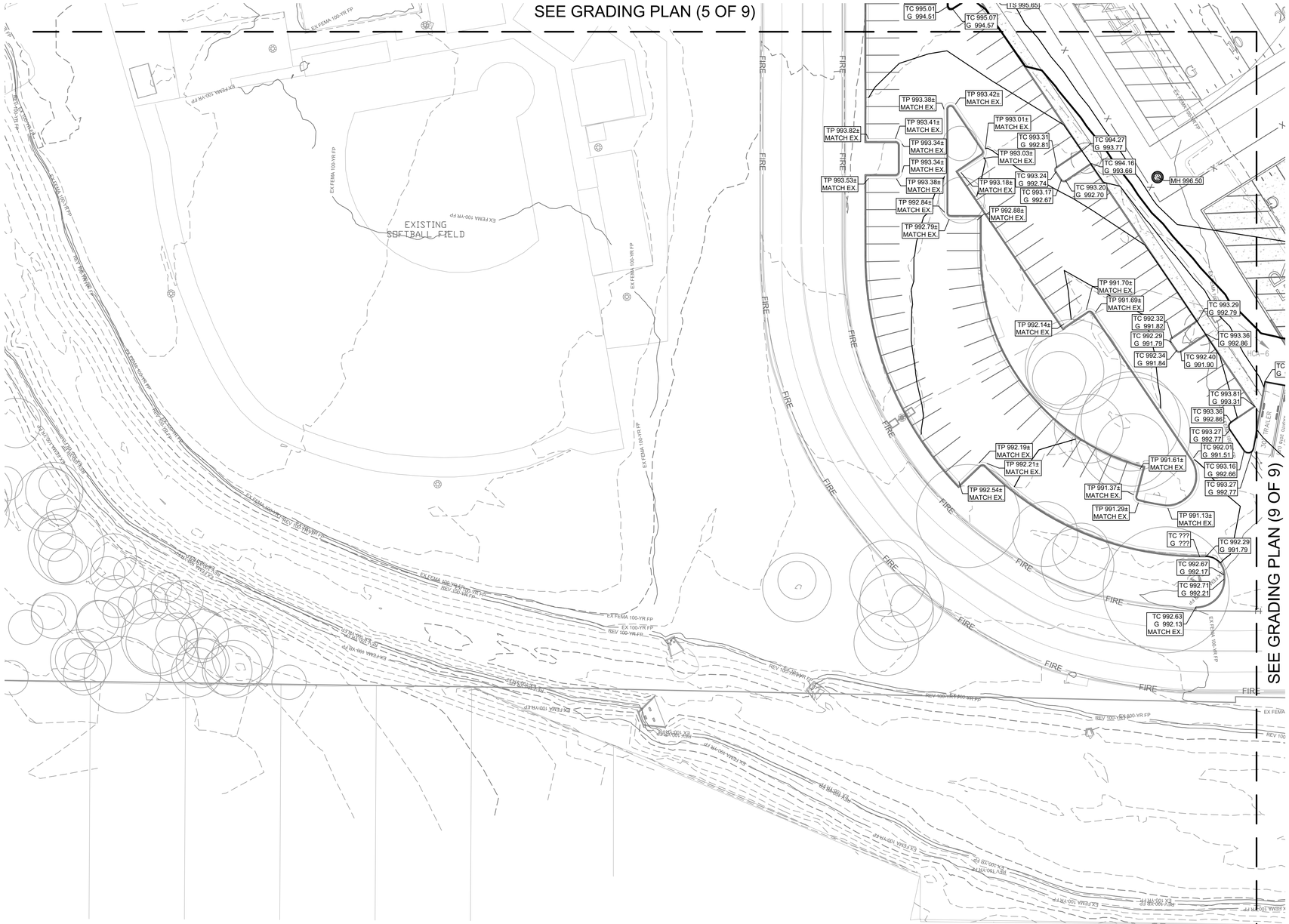

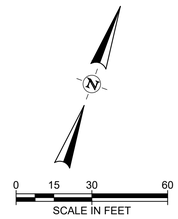

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GRADING PLAN (8 OF 9)

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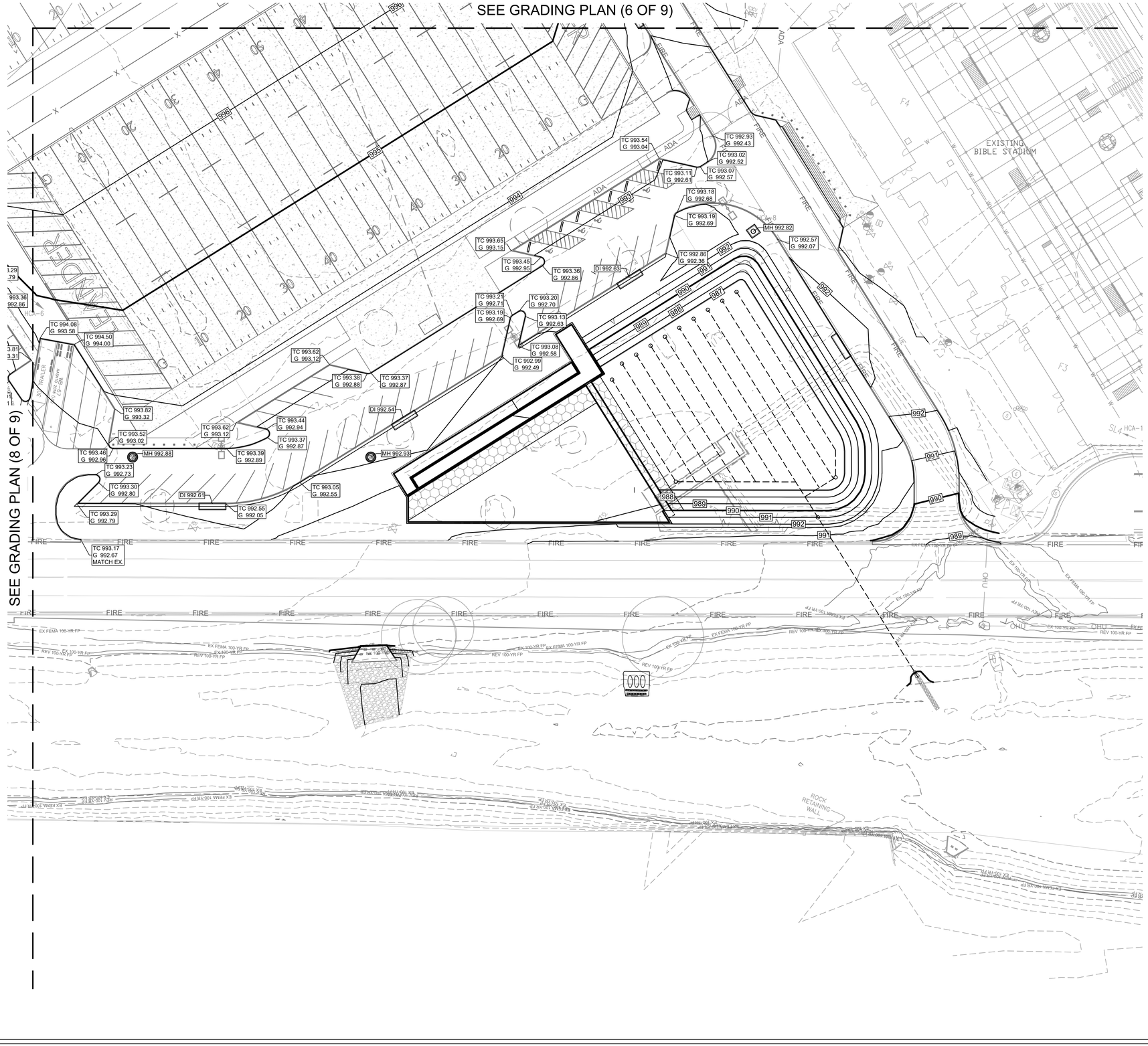
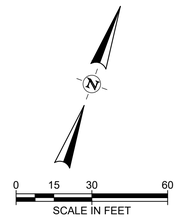
SEE GRADING PLAN (6 OF 9)

SEE GRADING PLAN (8 OF 9)





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(9 OF 9)

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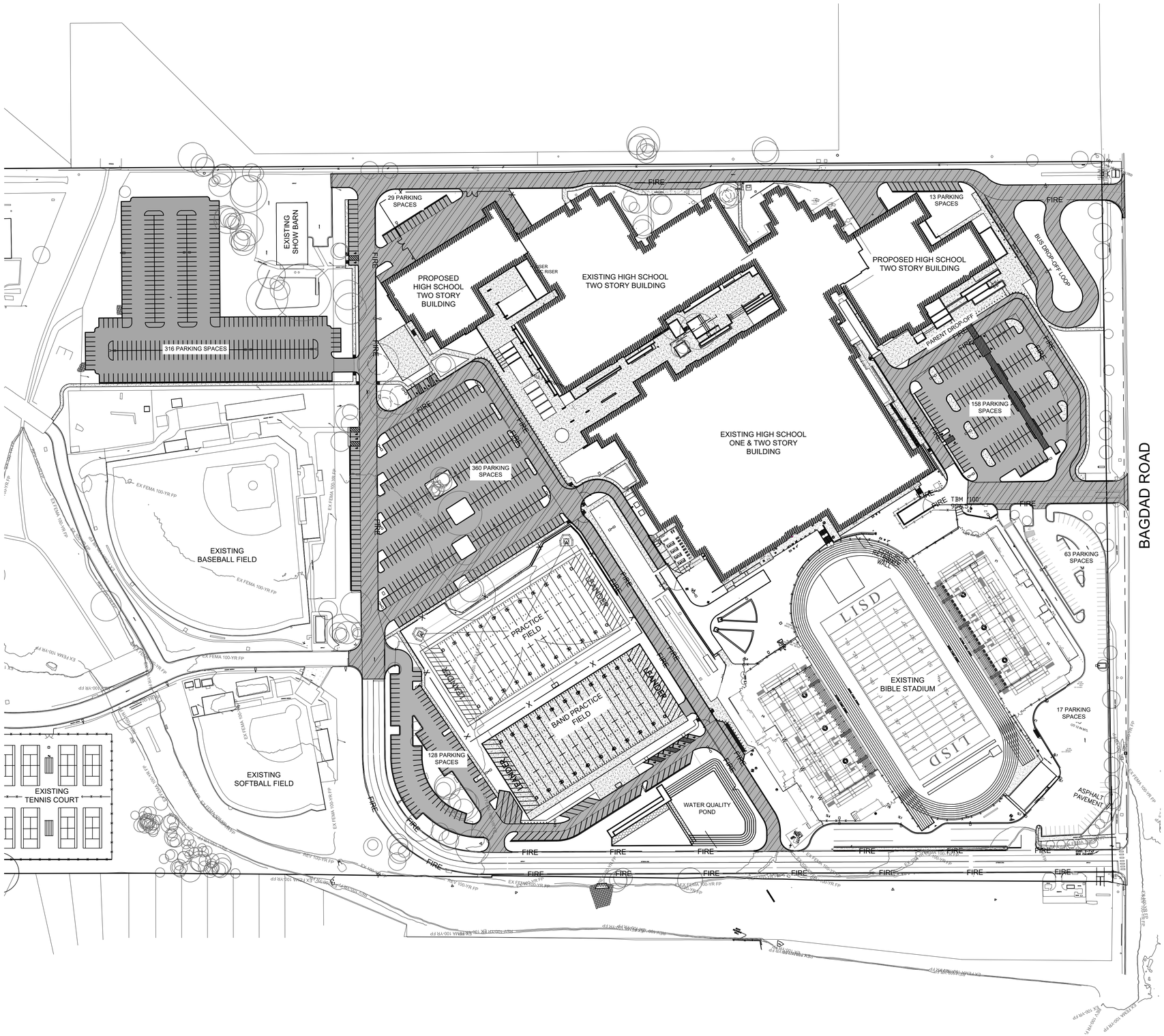

0 50 100 200
SCALE IN FEET

LEGEND

- HEAVY DUTY CONCRETE
- LIGHT DUTY CONCRETE
- CONCRETE SIDEWALK, MOW STRIP

NOTES:

1. SEE PAVING DETAIL SHEETS FOR SIDEWALK, HEAVY DUTY, AND LIGHT DUTY CONCRETE DETAILS.
2. SEE STRUCTURAL AND/OR ARCHITECTURAL PLANS FOR DETAILS FOR ALL BUILDING AREAS AND/OR STRUCTURAL CONCRETE.
3. SEE LANDSCAPE PLANS FOR ALL OTHER AREAS.

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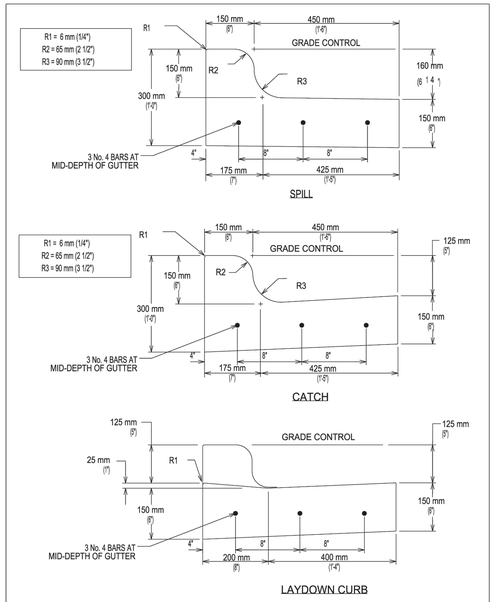
SHEET TITLE

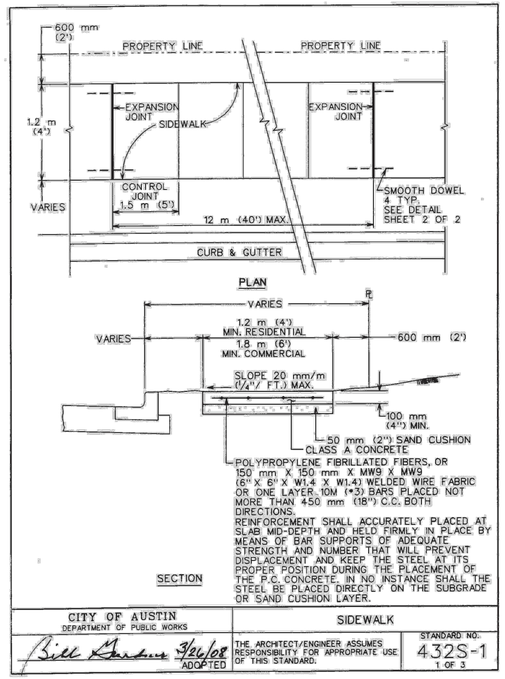
OVERALL PAVING PLAN

47 OF 104

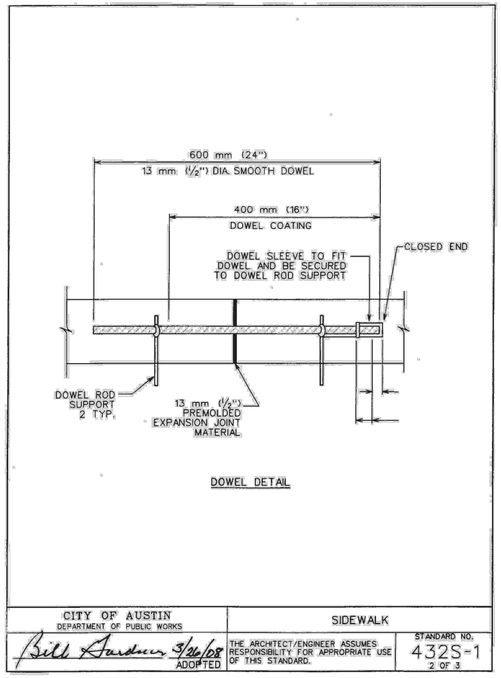
FILE NAME: A:\53000s\53112\009\PW\CADD\Sheets\C-OVER-PAVE-53112.09.dwg DATE: January 28, 2026, TIME: 9:34 AM, USER: ah3305 AVO: 53112.002



CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS	REINFORCED CURB AND GUTTER SECTION	
RECORD COPY SIGNED BY SAM ANGOORI 01/04/10 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 430S-2



CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS	SIDEWALK	
Bill Gardner 3/26/08 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 432S-1 1 OF 3



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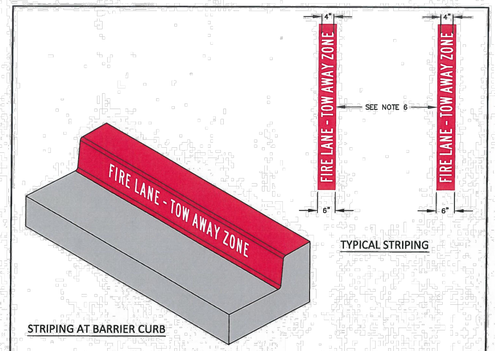


NOTES:

1. ALL FIRE LANE STRIPING SHALL COMPLY WITH THE CURRENT INTERNATIONAL FIRE CODE, AS ADOPTED BY THE CITY OF LEANDER, AND CITY OF LEANDER CODE OF ORDINANCES.
2. FIRE LANES SHALL BE CONTINUOUSLY MARKED BY RED TRAFFIC PAINT THAT IS MINIMUM SIX INCHES (6") IN WIDTH TO SHOW THE BOUNDARIES OF THE LANE.
3. "FIRE LANE - TOW AWAY ZONE" SHALL APPEAR IN FOUR INCH (4") TYPE D WHITE BLOCK LETTERS AT TWENTY-FIVE FOOT (25') INTERVALS, OR LESS, ON THE RED BORDER MARKINGS ALONG BOTH SIDES OF THE FIRE LANE.
4. WHERE A 6" BARRIER CURB EXISTS, THE FIRE LANE STRIPING SHALL BE ON BOTH THE VERTICAL FACE OF THE CURB AND TOP OF CURB. "FIRE LANE - TOW AWAY ZONE" SHALL BE MARKED IN 4" WHITE BLOCK LETTERS ON FACE OF CURB ONLY.
5. WHERE A FIRE LANE IS ADJACENT TO PARKING SPACES THE FIRE LANE STRIPING SHALL BE AN 8" RED STRIPE PAINTED ON THE DRIVE SURFACE WITH 4" WHITE LETTERS STATING "FIRE LANE NO PARKING TOW-AWAY ZONE." FIRE LANE STRIPING SHALL EXTEND BEHIND ALL PARKING SPACES.
6. WHERE A FIRE HYDRANT, FIRE DEPARTMENT CONNECTION, OR OTHER FIRE PROTECTION EQUIPMENT IS LOCATED ON A FIRE LANE, THE FIRE LANE SHALL BE A MINIMUM OF TWENTY-SIX FEET (26') IN WIDTH, EXCLUSIVE OF SHOULDERS.

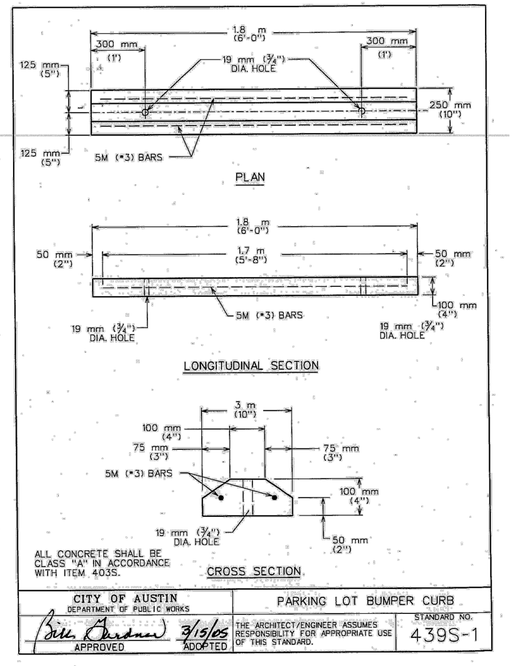
*THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD. DRAWING NOT TO SCALE.

STATE OF TEXAS · MICHAEL LAFFERTY · 118708 · LICENSED FIRE PROTECTION ENGINEER

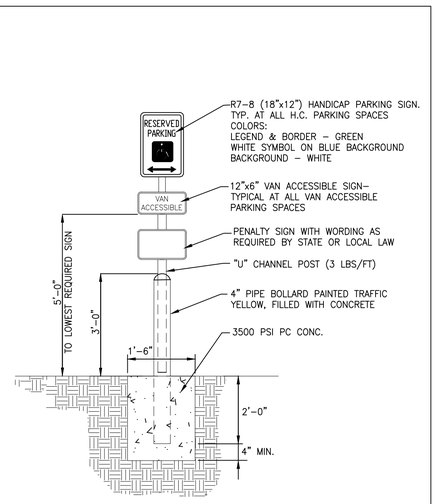
2017-04-28

FIRE MARSHAL

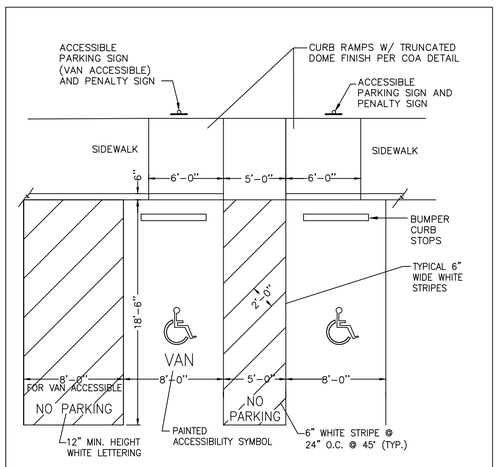
City of Leander, Texas
DETAIL #501-2
FIRE LANE STRIPING



CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS	PARKING LOT BUMPER CURB	
Bill Gardner 3/15/05 APPROVED ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 439S-1



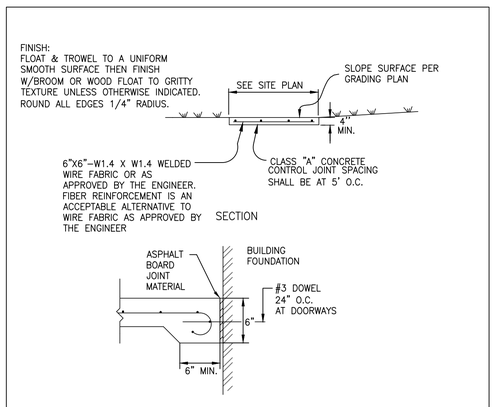
TYPICAL HANDICAP PARKING SIGN
N.T.S.



NOTES:

1. WALKWAYS, RAMPS, HANDICAP PARKING SIGNAGE, ETC. SHALL MEET APPROVED A.D.A. STANDARDS.
2. 2% MAX. SLOPE IN ALL DIRECTIONS IN AREAS OF HANDICAP PARKING SPACES.

HANDICAP PARKING/RAMP DETAIL
N.T.S.



THICKENED EDGE AT FOUNDATION

NOTES:

1. WHERE SIDEWALK ABUTS CURB OR OTHER STRUCTURE USE 3/4" CONTINUOUS PREFORMED ASPHALT BOARD EXPANSION JOINTS. ALL TRANSVERSE JOINTS SHALL ALIGN WITH THOSE OF THE CURBING AS APPLICABLE.
2. SEE ARCHITECTURAL PLANS FOR ENLARGED VIEWS OF CERTAIN SIDEWALK AREAS. ARCHITECTURAL PLANS MAY PROVIDE SPECIFIC JOINT PATTERNS AND FINISHES.

ON–SITE USE ONLY

STANDARD SIDEWALK DETAILS
N.T.S.

LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
LEANDER TEXAS
SD- -

LEANDER I.S.D.
204 W. SOUTH ST.
LEANDER TEXAS

halff
13620 BRIARWICK DR., SUITE 100
AUSTIN, TEXAS 78729
TEL: (512) 777-4600

REVISION		
NO.	DATE	DESCRIPTION

STATE OF TEXAS · ZHIPENG XING, P.E. · 127763 · LICENSED PROFESSIONAL ENGINEER · 1/28/2026

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY ZHIPENG XING, P.E. LIC. # 127763

I CERTIFY THAT THESE DRAWINGS ARE COMPLETE, ACCURATE AND ADEQUATE FOR THEIR INTENDED PURPOSES, INCLUDING CONSTRUCTION, BUT ARE NOT AUTHORIZED FOR CONSTRUCTION UNTIL FORMAL CITY APPROVAL.

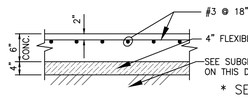
PROJECT NO.:	53112.009
ISSUED:	1/28/2026
DRAWN BY:	--
CHECKED BY:	--
SCALE:	N.T.S.

SHEET TITLE

PAVEMENT DETAILS (1 OF 2)

48 OF 104

FILE NAME: A:\53000s\53112\009\PWCADD\Sheets\C-DTLS-DTLS-53112.09.dwg DATE: January 28, 2026, TIME: 9:34 AM, USER: ah3305 AVO: 53112.002



* SEE ARCHITECTURAL PLANS FOR SCORING PATTERNS

HEAVY DUTY CONCRETE
N.T.S

NOTES:

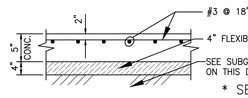
1. SUBGRADE PREPARATION AREAS TO SUPPORT PAVEMENTS SHOULD BE STRIPPED OF ALL VEGETATION AND ORGANIC TOPSOIL AND THE EXPOSED SUBGRADE SHOULD BE PROOFROLLED IN ACCORDANCE WITH THE RECOMMENDATIONS IN THE SITE PREPARATION SECTION UNDER FOUNDATION CONSTRUCTION CONSIDERATIONS.

   AFTER COMPLETION OF THE PROOFROLLING OPERATIONS AND JUST PRIOR TO FLEXIBLE BASE PLACEMENT, THE EXPOSED SUBGRADE SHOULD BE MOISTURE CONDITIONED BY SCARIFYING TO A MINIMUM DEPTH OF 6 IN. AND RECOMPACTING TO A MINIMUM OF 95 PERCENT OF THE MAXIMUM DENSITY DETERMINED FROM THE TEXAS DEPARTMENT OF TRANSPORTATION COMPACTION TEXT (TxDOT, Tex-114E). THE MOISTURE CONTENT OF TEH SUBGRADE SHOULD BE MAINTAINED WITHIN THE RANGE OF OPTIMUM MOISTURE CONTENT TO 3 PERCENTAGE POINTS ABOVE OPTIMUM UNTIL PERMANENTLY COVERED.

2. PORTLAND CEMENT CONCRETE THE PORTLAND CONCRETE SHOULD BE AIR-ENTRAINED TO RESULT IN A 4 PERCENT ± 1 PERCENT AIR, SHOULD HAVE A MAXIMUM SLUMP OF 5 INCHES, AND SHOULD HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4,000 PSI. A LIQUID MEMBRANE-FORMING CURING COMPOUND SHOULD BE APPLIED AS SOON AS PRACTICAL AFTER BROOM FINISHING THE CONCRETE SURFACE. THE CURING COMPOUND WILL HELP REDUCE THE LOSS OF WATER FROM THE CONCRETE. THE REDUCTION IN THE RAPID LOSS IN WATER WILL HELP REDUCE SHRINKAGE CRACKING OF THE CONCRETE.

3. CONCRETE JOINTING THE RATIO OF SLAB LENGTH-TO-WIDTH SHOULD NOT EXCEED 1.25. JOINT SPACINGS SHALL BE 12 FT. LONGITUDINAL AND 12 FT. TRAVERSE. EXPANSION JOINTS ARE NEEDED TO SEPARATE THE CONCRETE SLAB FROM FIXED OBJECTS SUCH AS DROP INLETS, LIGHT STANDARDS AND BUILDINGS. EXPANSION JOINT SPACINGS ARE NOT TO EXCEED A MAXIMUM OF 75 FT AND NO EXPANSION OR CONSTRUCTION JOINTS SHOULD BE LOCATED IN A SWALE OR DRAINAGE COLLECTION LOCATIONS.

4. ON-SITE FILL IF ON-SITE FILL MATERIAL IS USED, ON-SITE SOILS SHALL BE PLACED IN LOOSE LIFTS NOT EXCEEDING 8 IN. IN THICKNESS AND COMPACTED TO AT LEAST 95 PERCENT OF THE MAXIMUM DENSITY AS DETERMINED BY TxDOT, TEX-114-E. THE MOISTURE CONTENT OF THE FILL SHOULD BE MAINTAINED WITHIN THE RANGE OF OPTIMUM WATER CONTENT TO 3 PERCENTAGE POINTS ABOVE THE OPTIMUM WATER CONTENT UNTIL PERMANENTLY COVERED. WE RECOMMEND THAT FILL MATERIALS BE FREE OF ROOTS AND OTHER ORGANIC OR DEGRADABLE MATERIAL. WE ALSO RECOMMEND THAT THE MAXIMUM PARTICLE SIZE NOT EXCEED 4 IN. OR ONE HALF THE LIFT THICKNESS, WHICHEVER IS SMALLER.



* SEE ARCHITECTURAL PLANS FOR SCORING PATTERNS

LIGHT DUTY CONCRETE
N.T.S

NOTES:

1. SUBGRADE PREPARATION AREAS TO SUPPORT PAVEMENTS SHOULD BE STRIPPED OF ALL VEGETATION AND ORGANIC TOPSOIL AND THE EXPOSED SUBGRADE SHOULD BE PROOFROLLED IN ACCORDANCE WITH THE RECOMMENDATIONS IN THE SITE PREPARATION SECTION UNDER FOUNDATION CONSTRUCTION CONSIDERATIONS.

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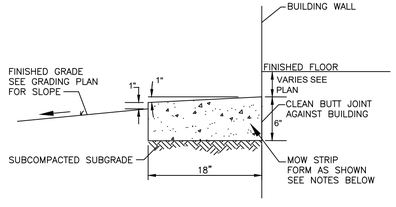
CONCRETE PAVEMENT SECTION DETAILS
N.T.S.

NOTE:

1. PRIOR TO COMMENCING PAVEMENT CONSTRUCTION (ASPHALT) A PRE-CONSTRUCTION MEETING SHALL BE HELD AT THE JOB SITE. ATTENDEES WILL INCLUDE LISD REPRESENTATIVE, GENERAL CONTRACTOR, PAVING CONTRACTOR, CIVIL ENGINEER, AND GEOTECHNICAL ENGINEER.

2. PAVING SECTIONS BASED UPON STUDY RECOMMENDATIONS PROVIDED IN GEOTECHNICAL ENGINEERING STUDY FOR LEANDER HIGH SCHOOL MODERNIZATION 3301 SOUTH BAGDAD ROAD, LEANDER, TEXAS, DATED AUGUST 19, 2025, BY RABA-KISTNER CONSULTANTS, INC., PROJECT No. AAA23-156-00. ANY QUESTIONS REGARDING PAVING DESIGN SHOULD BE DIRECTED TO RABA-KISTNER, INC. @ 512-339-1745.



NOTES:

REFER TO FIBER-REINFORCED SIDEWALK DETAIL FOR STRENGTH, REINFORCING, FINISH, AND JOINTING.

SEE SITE PLAN FOR MOW STRIP LOCATIONS.

MOW STRIP TYPICAL DETAIL
N.T.S.

LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
LEANDER TEXAS
SD- -

LEANDER I.S.D.
204 W. SOUTH ST.
LEANDER TEXAS

halff
13620 BRIARWICK DR. SUITE 100
AUSTIN, TEXAS 78729
TEL: (512) 777-4600

REVISION NO.	DATE	DESCRIPTION

STATE OF TEXAS
ZHIPENG XING, P.E.
127763
LICENSED
PROFESSIONAL ENGINEER
1/28/2026

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY ZHIPENG XING, P.E. LIC. # 127763

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PROJECT NO.:	53112.009
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CHECKED BY:	--
SCALE:	N.T.S.

SHEET TITLE

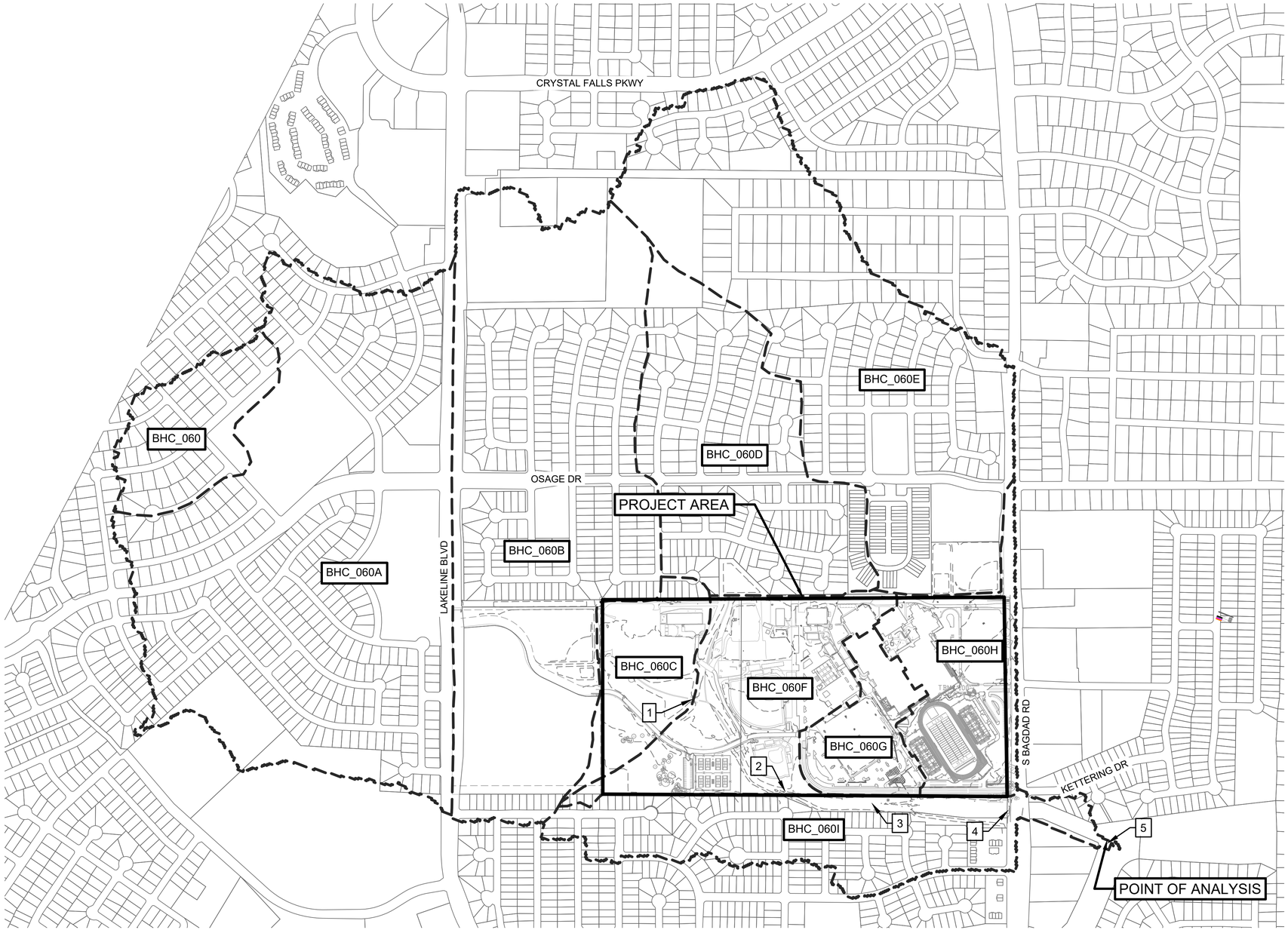
PAVEMENT DETAILS
(2 OF 2)

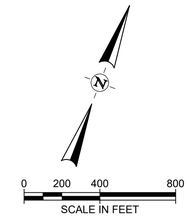
FILE NAME: A:\53000s\53112\009\PWCADDSheets\C-DTLS-DTLS-53112.09.dwg DATE: January 28, 2026, TIME: 9:34 AM, USER: ah3305 AVO: 53112.002

DRAINAGE AREA	EX DA (AC)	PR DA (AC)	CN	EX IC (AC)	PR IC (AC)	Δ IC (AC)	2 YR PEAK FLOWS		10 YR PEAK FLOWS		25 YR PEAK FLOWS		50 YR PEAK FLOWS		100 YR PEAK FLOWS		500 YR PEAK FLOWS	
							EX (CFS)	PR (CFS)	EX (CFS)	PR (CFS)	EX (CFS)	PR (CFS)	EX (CFS)	PR (CFS)	EX (CFS)	PR (CFS)	EX (CFS)	PR (CFS)
BHC_060	19.76	19.76	68	11.73	11.73	0.00	51.6	51.6	84.8	84.8	107.7	107.7	126.6	126.6	146.3	146.3	195	195
BHC_060A	141.93	141.93	68	81.34	81.34	0.00	296.4	296.4	497.5	497.5	636	636	752.4	752.4	878.5	878.5	1196.3	1196.3
BHC_060B	120.15	120.15	68	55.23	55.23	0.00	315.8	315.8	481	481	593.7	593.7	684.5	684.5	782.1	782.1	1027.6	1027.6
BHC_060C	18.40	18.396	68	2.76	2.76	0.00	313.1	307.4	479.5	472.4	593.9	581.7	690	675.1	793	772.3	1048.6	1027.5
BHC_060D	56.98	56.976	68	28.07	28.07	0.00	115	115	195.6	195.6	251.5	251.5	297.5	297.5	346.2	346.2	468	468
BHC_060E	102.63	102.63	68	38.89	38.89	0.00	184.7	184.7	330.9	330.9	435.7	435.7	522.5	522.5	614.9	614.9	844.9	844.9
BHC_060F	37.74	35.10	68	23.01	26.13	3.12	453.6	446.6	723.9	712.9	911	890	1059.8	1032.8	1223.6	1190.9	1651.6	1595.4
BHC_060G	14.27	16.91	68	8.50	11.73	3.23	44.6	57.2	72.6	90.4	91.7	112.7	107.5	131.2	123.8	150.2	163.3	196.1
BHC_060H	27.16	27.16	68	6.70	6.14	-0.56	226.9	225.6	413.6	412	548	546.6	659.4	658	778.2	776.9	1073.3	1072.2
BHC_060I	40.16	40.16	68	22.09	22.09	0.00	631.5	627.9	1081.8	1064	1528.2	1512.6	1862.8	1846.1	2133.3	2111.2	2807.8	2777.1

*

1. WILLIAMSON COUNTY ATLAS 14 STUDY, COMPLETED IN EARLY 2025, WAS USED AS THE BASIS OF HYDROLOGIC AND HYDRAULIC STUDY FOR THIS PROJECT. CN VALUE IS OBTAINED FROM THE HYDROLOGIC MODEL.
2. LEANDER HS PHASE 2 PROJECT HAS AN EX. IC of 38.63 AC AND PR. IC OF 42.89 AC, AN INCREASE OF 4.26 AC.
3. A TOTAL OF 5.79 AC IC INCREASE IS USED FOR DETENTION POND SIZING TO ACCOUNT FOR TOTAL OF 44 AC IC FOR LEANDER HS, FOR FUTURE CONDITIONS.





LEGEND

- EXISTING DRAINAGE AREA
- BHC_060D — DRAINAGE BASIN LABEL
- 5 — POINT OF analysis

NOTES:

1. SEE SHEET 51 FOR POINT OF ANALYSIS CALCULATIONS.

Know what's **below.**
Call before you dig.

THE INFORMATION SHOWN ON THESE DRAWINGS INDICATING SIZE, TYPE AND LOCATION OF UNDERGROUND, SURFACE, AND AERIAL UTILITIES IS NOT GUARANTEED TO BE EXACT OR COMPLETE. THE CONTRACTOR SHALL CONTACT THE CITY OF LEANDER AREA "ONE CALL" SYSTEM AT 1-800-344-8377 (DIG TESS) 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION FOR EXISTING UTILITY LOCATIONS. THE CONTRACTOR SHALL ALSO BE FULLY RESPONSIBLE FOR FIELD VERIFYING LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES AFFECTED BY CONSTRUCTION FOR THIS PROJECT IN ORDER TO AVOID DAMAGING THOSE UTILITIES, AND SHALL IMMEDIATELY ARRANGE FOR REPAIR AND RESTORATION OF CONTRACTOR-DAMAGED UTILITIES TO THE UTILITY COMPANY'S APPROVAL AT THE EXPENSE OF THE CONTRACTOR.

LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
LEANDER TEXAS
SD- -

LEANDER I.S.D.
204 W. SOUTH ST.
LEANDER TEXAS

halff
13620 BRUARWICK DR. SUITE 100
AUSTIN, TEXAS 78729
TEL: (512) 777-4600

REVISION		
NO.	DATE	DESCRIPTION

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY JOPERT B. GAVINO, P.E. LIC. 146934

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PROJECT NO.:	53112.009
ISSUED:	1/28/2026
DRAWN BY:	--
CHECKED BY:	--
SCALE:	1" = 400'

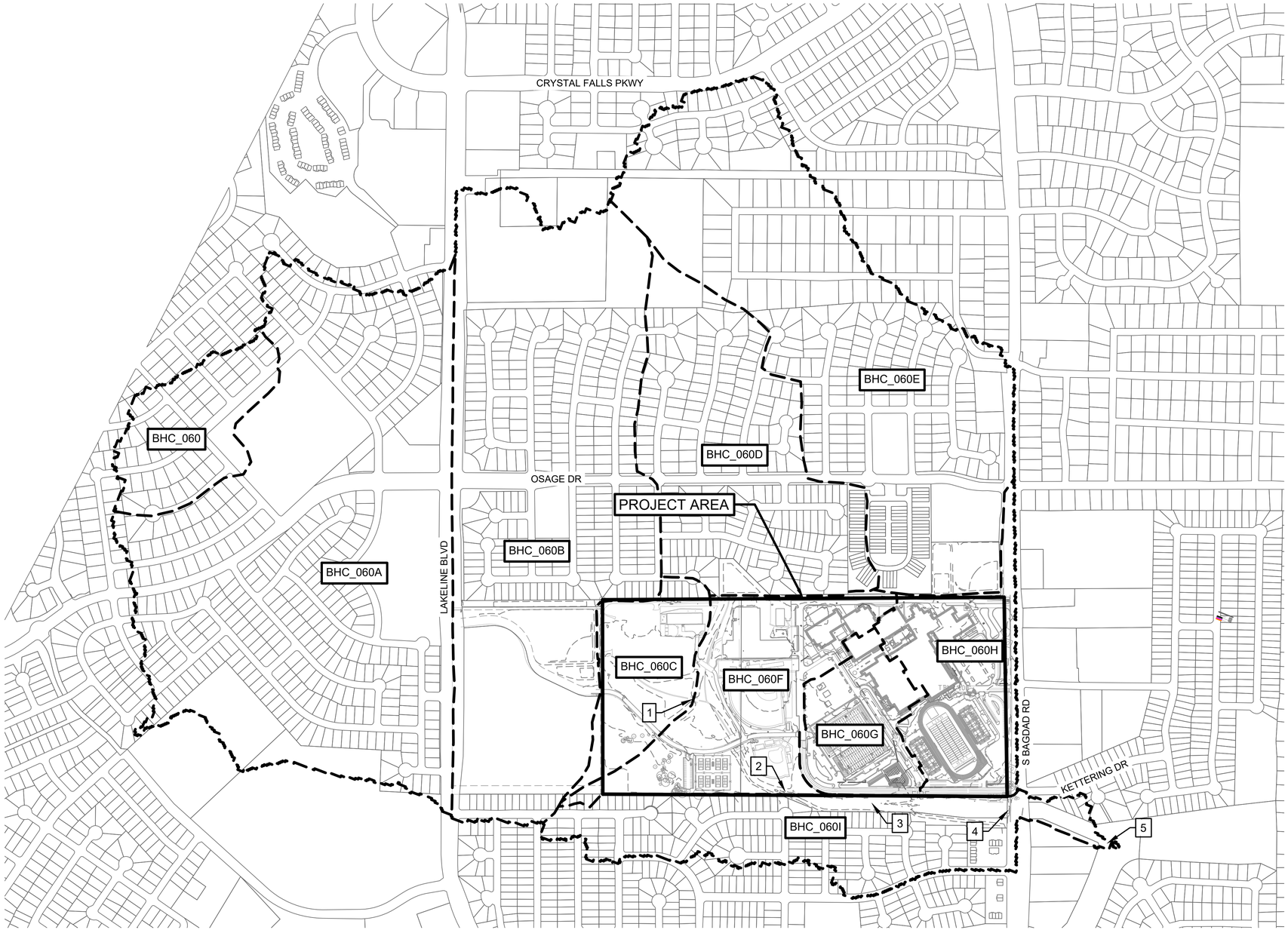
SHEET TITLE
OVERALL EXISTING DRAINAGE AREA MAP

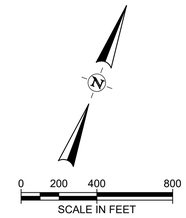
FILE NAME: A:\53000s\53112\009\PW\CADD\Sheets\C-PLAN-DRNG-53112.09.dwg DATE: January 28, 2026, TIME: 9:35 AM, USER: ak3305 AVO: 53112.002

NO.	POINT OF ANALYSIS	2 YR PEAK FLOWS		10 YR PEAK FLOWS		25 YR PEAK FLOWS		50 YR PEAK FLOWS		100 YR PEAK FLOWS		500 YR PEAK FLOWS	
		EX (CFS)	PR (CFS)	EX (CFS)	PR (CFS)	EX (CFS)	PR (CFS)	EX (CFS)	PR (CFS)	EX (CFS)	PR (CFS)	EX (CFS)	PR (CFS)
1	J_BHC_060C	313.1	307.4	479.5	472.4	593.9	581.7	690.0	675.1	793.0	772.3	1048.6	1027.5
2	J_BHC_060F_060I	516.8	507.2	838.7	823.2	1062.3	1043.0	1233.2	1208.4	1428.2	1394.5	1914.7	1850.2
3	J_BHC_060F_060G_060I	526.0	520.1	854.7	847.4	1087.0	1077.3	1259.8	1243.5	1463.1	1438.5	1949.6	1897.8
4	J_BHC_060F_060G_060H_060I	631.6	627.1	1081.5	1063.6	1602.0	1581.2	1844.7	1837.5	2184.9	2162.2	2847.4	2820.2
5	J_BHC_060I	631.5	627.9	1081.8	1064.0	1528.2	1512.6	1862.8	1846.1	2133.3	2111.2	2807.8	2777.1

*

1. WILLIAMSON COUNTY ATLAS 14 STUDY, COMPLETED IN EARLY 2025, WAS USED AS THE BASIS OF HYDROLOGIC AND HYDRAULIC STUDY FOR THIS PROJECT.
2. POINTS OF ANALYSIS GATHERED FROM JUNCTIONS DOWNSTREAM OF DETENTION POND AT PROJECT SITE OUTFALLS TO BLOCKHOUSE CREEK TRIBUTARY 3.





LEGEND

- PROPOSED DRAINAGE AREA
- BHC_060D — DA LABEL
- 5 — POINT OF ANALYSIS

NOTES:

1. SEE SHEET 50 FOR DRAINAGE AREA CALCULATIONS.

Know what's **below.**
Call before you dig.

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halff
13620 BRIARWICK DR. SUITE 100
AUSTIN, TEXAS 78729
TEL: (512) 777-4600

REVISION		
NO.	DATE	DESCRIPTION

STATE OF TEXAS
JOPERT B. GAVINO
146934
LICENSED PROFESSIONAL ENGINEER
1/28/2026

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PROJECT NO.:	53112.009
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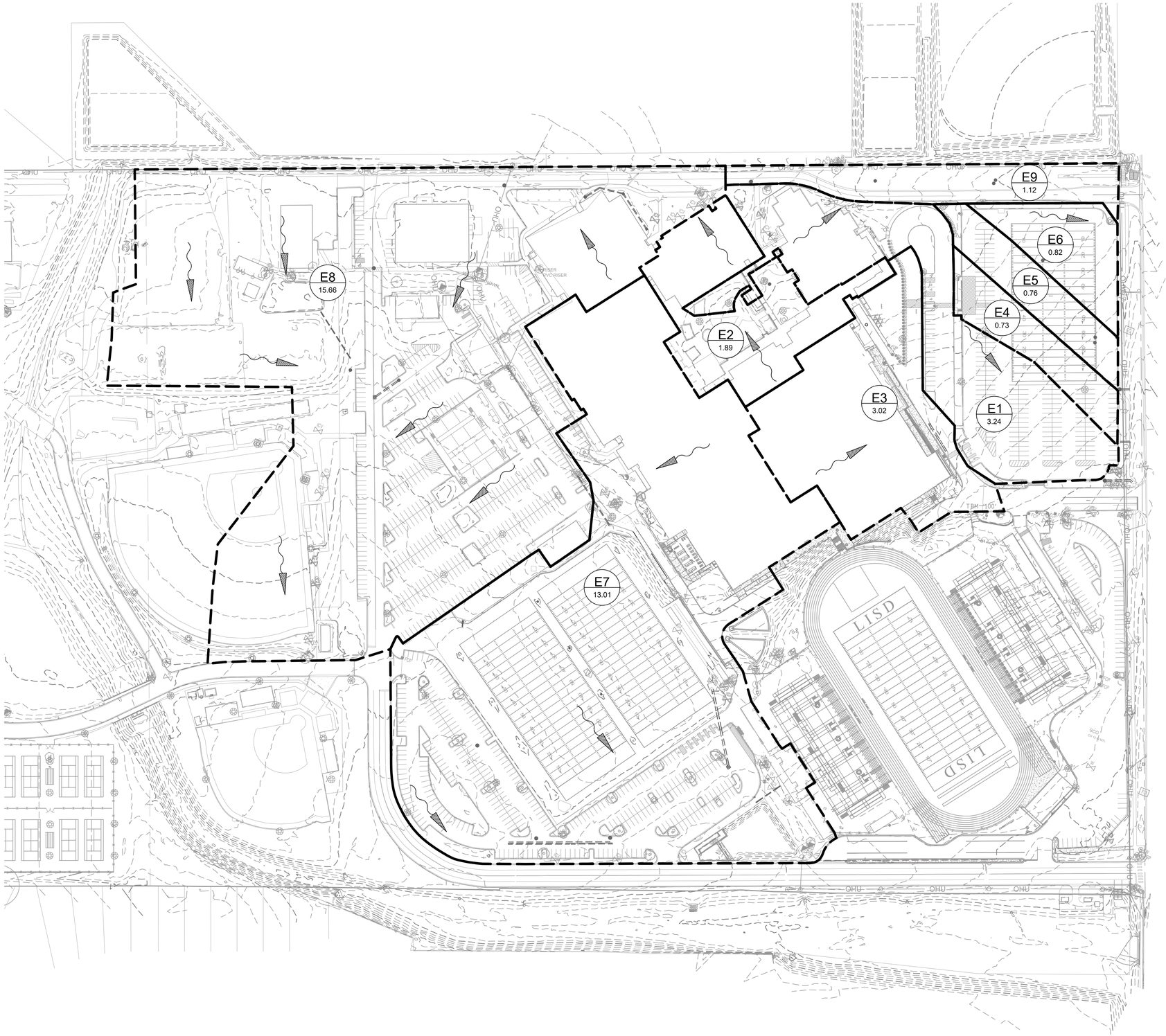
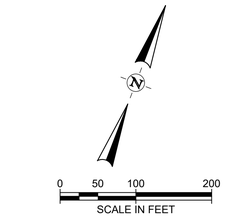
DRAWN BY:	--
CHECKED BY:	--
SCALE:	1" = 400'

SHEET TITLE

OVERALL PROPOSED DRAINAGE AREA MAP

FILE NAME: A:\53000s\53112\009\PW\CADD\Sheets\C-PLAN-DRNG-53112.09.dwg DATE: January 28, 2026, TIME: 9:35 AM, USER: ak3305 AVO: 53112.002





LEGEND

- DRAINAGE AREA BOUNDARY
- ID / ACRE — DRAINAGE AREA LABEL
- FLOW ARROW

LEANDER HS MASTER PLAN

MODERNIZATION PHASE 2
LEANDER TEXAS
SD- -

LEANDER I.S.D.

204 W. SOUTH ST.
LEANDER TEXAS

halff
13620 BRIARWICK DR. SUITE 100
AUSTIN, TEXAS 78729
TEL: (512) 777-4800

REVISION

NO.	DATE	DESCRIPTION

STATE OF TEXAS
ZHIPENG XING, P.E.
127763
LICENSED PROFESSIONAL ENGINEER
1/28/2026

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY ZHIPENG XING, P.E. LIC. # 127763

I CERTIFY THAT THESE DRAWINGS ARE COMPLETE, ACCURATE AND ADEQUATE FOR THEIR INTENDED PURPOSES, INCLUDING CONSTRUCTION, BUT ARE NOT AUTHORIZED FOR CONSTRUCTION UNTIL FORMAL CITY APPROVAL.

PROJECT NO.:	53112.009
ISSUED:	1/28/2026
DRAWN BY:	--
CHECKED BY:	--
SCALE:	1" = 100'

SHEET TITLE

EXISTING DRAINAGE SUBBASIN PLAN

811 Know what's **below.** **Call** before you dig.

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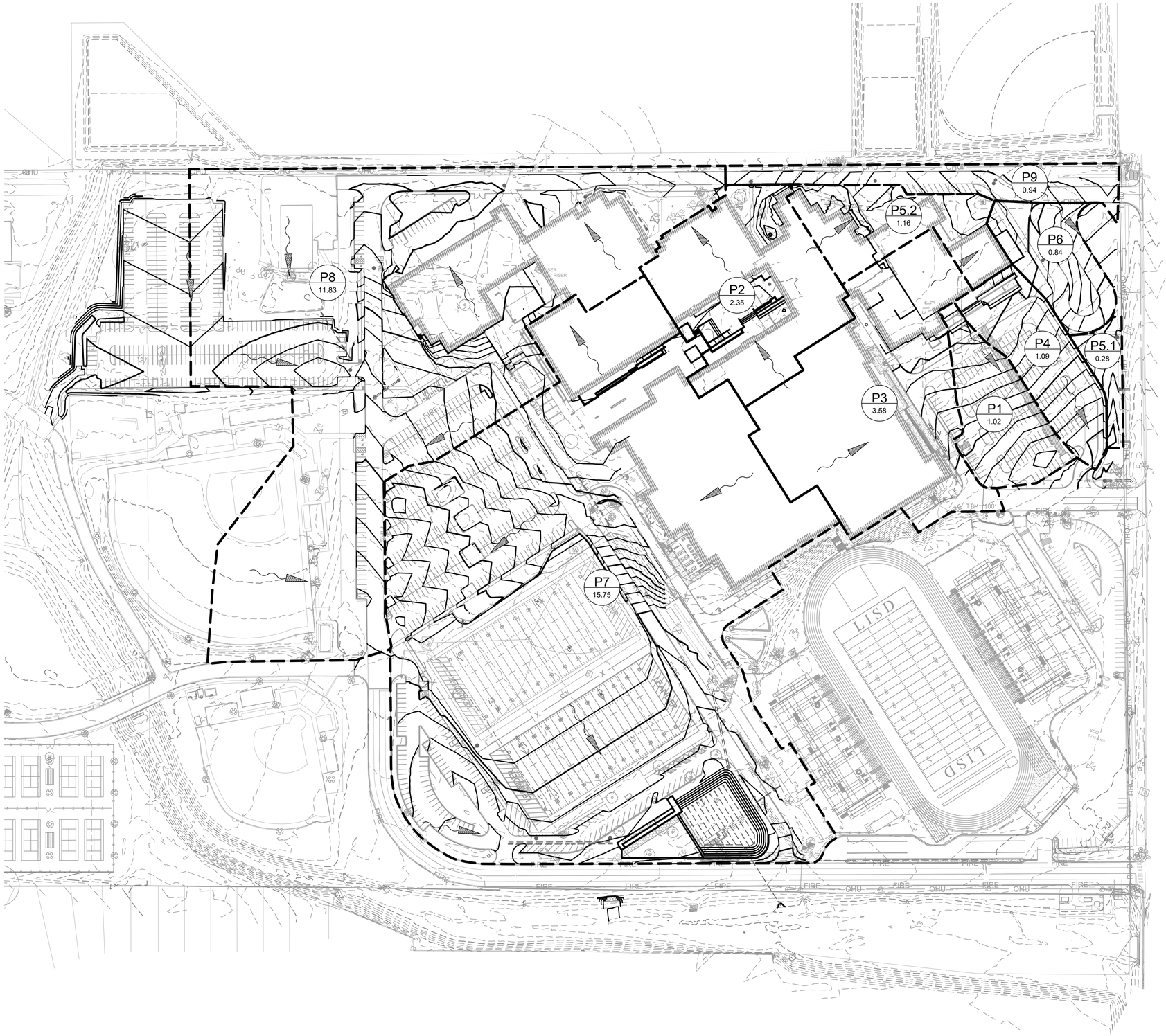
FILE NAME: A:\53000s\53112009\PWCADD\Sheets\C-PLAN-DRNG-53112.09.dwg DATE: January 28, 2026, TIME: 9:35 AM, USER: ah3305 AVO: 53112.002



N

0 50 100 200
SCALE IN FEET

LEGEND

DRAINAGE AREA BOUNDARY

ID / ACRE — DRAINAGE AREA LABEL

FLOW ARROW

LEANDER HS MASTER PLAN
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SHEET TITLE
PROPOSED DRAINAGE SUBBASIN PLAN

FILE NAME: A:\53000s\53112009\PWCADD\Sheets\C-PLAN-DRNG-53112.09.dwg DATE: January 28, 2026, TIME: 9:36 AM, USER: ah3305 AVO: 53112.002

EX. DRAINAGE AREA CALCS															
ID	AREA	IC	TOC	C2	I2	Q2	C10	I10	Q10	C25	I25	Q25	C100	I100	Q100
[-]	[AC]	[%]	[MIN]	[-]	[IN/HR]	[CFS]	[-]	[IN/HR]	[CFS]	[-]	[IN/HR]	[CFS]	[-]	[IN/HR]	[CFS]
E1	3.24	85.12	5.00	0.69	6.14	13.69	0.76	9.19	22.74	0.81	11.30	29.75	0.90	15.00	43.70
E2	1.89	85.37	5.00	0.69	6.14	7.98	0.76	9.19	13.26	0.81	11.30	17.34	0.90	15.00	25.47
E3	3.02	97.61	5.00	0.74	6.14	13.73	0.82	9.19	22.75	0.87	11.30	29.68	0.96	15.00	43.44
E4	0.73	100.00	5.00	0.75	6.14	3.36	0.83	9.19	5.57	0.88	11.30	7.27	0.97	15.00	10.63
E5	0.76	96.07	5.00	0.73	6.14	3.44	0.81	9.19	5.69	0.86	11.30	7.43	0.95	15.00	10.88
E6	0.82	92.73	5.00	0.72	6.14	3.61	0.80	9.19	5.99	0.85	11.30	7.83	0.94	15.00	11.47
E7	13.01	55.63	5.00	0.56	6.14	45.05	0.63	9.19	75.39	0.68	11.30	99.43	0.76	15.00	147.76
E8	15.66	55.58	5.00	0.56	6.14	54.17	0.63	9.19	90.66	0.68	11.30	119.58	0.76	15.00	177.71
E9	1.12	36.57	5.00	0.48	6.14	3.33	0.54	9.19	5.61	0.59	11.30	7.45	0.67	15.00	11.18

PR. DRAINAGE AREA CALCS															
ID	AREA	IC	TOC	C2	I2	Q2	C10	I10	Q10	C25	I25	Q25	C100	I100	Q100
[-]	[AC]	[%]	[MIN]	[-]	[IN/HR]	[CFS]	[-]	[IN/HR]	[CFS]	[-]	[IN/HR]	[CFS]	[-]	[IN/HR]	[CFS]
P1	1.02	93.53	5.00	0.72	6.14	4.55	0.80	9.19	7.54	0.85	11.30	9.84	0.94	15.00	14.42
P2	2.35	87.39	5.00	0.70	6.14	10.08	0.77	9.19	16.73	0.82	11.30	21.88	0.91	15.00	32.12
P3	3.58	96.81	5.00	0.74	6.14	16.19	0.82	9.19	26.83	0.87	11.30	35.01	0.95	15.00	51.25
P4	1.09	90.35	5.00	0.71	6.14	4.76	0.79	9.19	7.89	0.84	11.30	10.31	0.92	15.00	15.12
P5.1	0.28	20.86	5.00	0.42	6.14	0.71	0.47	9.19	1.20	0.52	11.30	1.61	0.59	15.00	2.45
P5.2	1.16	76.08	5.00	0.65	6.14	4.62	0.72	9.19	7.70	0.77	11.30	10.09	0.86	15.00	14.87
P6	0.84	57.31	5.00	0.57	6.14	2.94	0.64	9.19	4.92	0.68	11.30	6.48	0.77	15.00	9.63
P7	15.75	66.43	5.00	0.61	6.14	58.92	0.68	9.19	98.30	0.73	11.30	129.21	0.81	15.00	191.13
P8	11.83	53.42	5.00	0.55	6.14	40.28	0.62	9.19	67.45	0.67	11.30	89.03	0.75	15.00	132.44
P9	0.94	53.91	5.00	0.56	6.14	3.20	0.62	9.19	5.35	0.67	11.30	7.06	0.75	15.00	10.50

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LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
LEANDER TEXAS
SD- -___

LEANDER I.S.D.
204 W. SOUTH ST.
LEANDER TEXAS

halff
13620 BRIARWICK DR. SUITE 100
AUSTIN, TEXAS 78729
TEL: (512) 777-4600

REVISION

NO.	DATE	DESCRIPTION

ESTATE OF TEXAS
ZHIPENG XING, P.E.
127763
LICENSED PROFESSIONAL ENGINEER
1/28/2026

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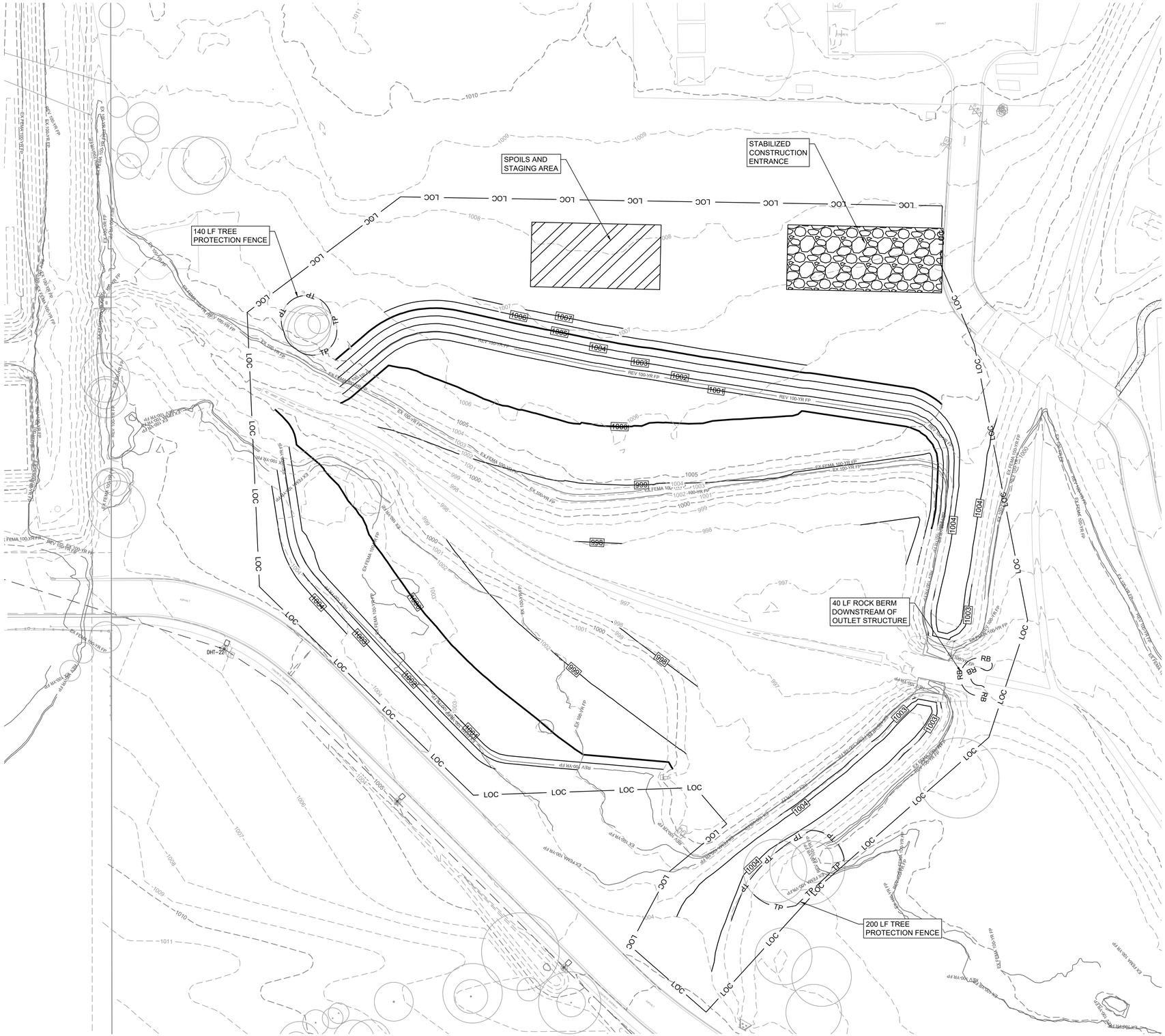
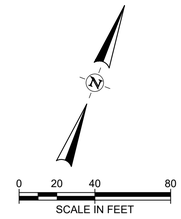
DRAWN BY:	--
CHECKED BY:	--
SCALE:	1" = ###'

SHEET TITLE
DRAINAGE SUBBASIN CALCULATIONS

FILE NAME: A:\53000s\53112009\PWCADD\Sheets\C-PLAN-DRNG-53112.09.dwg DATE: January 28, 2026, TIME: 9:36 AM, USER: ah3305 AVO: 53112.002





LEGEND

- EX FEMA 100-YR FP — FEMA 100-YEAR FLOODPLAIN
- EX 100-YR FP — EXISTING 100-YEAR FLOODPLAIN
- REV 100-YR FP — REVISED 100-YEAR FLOODPLAIN
- XXX — PROPOSED CONTOURS
- XXX — EXISTING CONTOURS
- EXISTING TREES
- RB — RB — ROCK BERM
- TP — TP — TREE PROTECTION FENCE
- LOC — LIMITS OF CONSTRUCTION

NOTES:
1. SEE EROSION CONTROL NOTES ON SHEET 3.
2. THE CITY OF LEANDER ENVIRONMENTAL INSPECTOR HAS THE AUTHORITY TO ADD OR MODIFY EROSION/SEDIMENT CONTROLS ON SITE THROUGHOUT THE DURATION OF THE PROJECT.

LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
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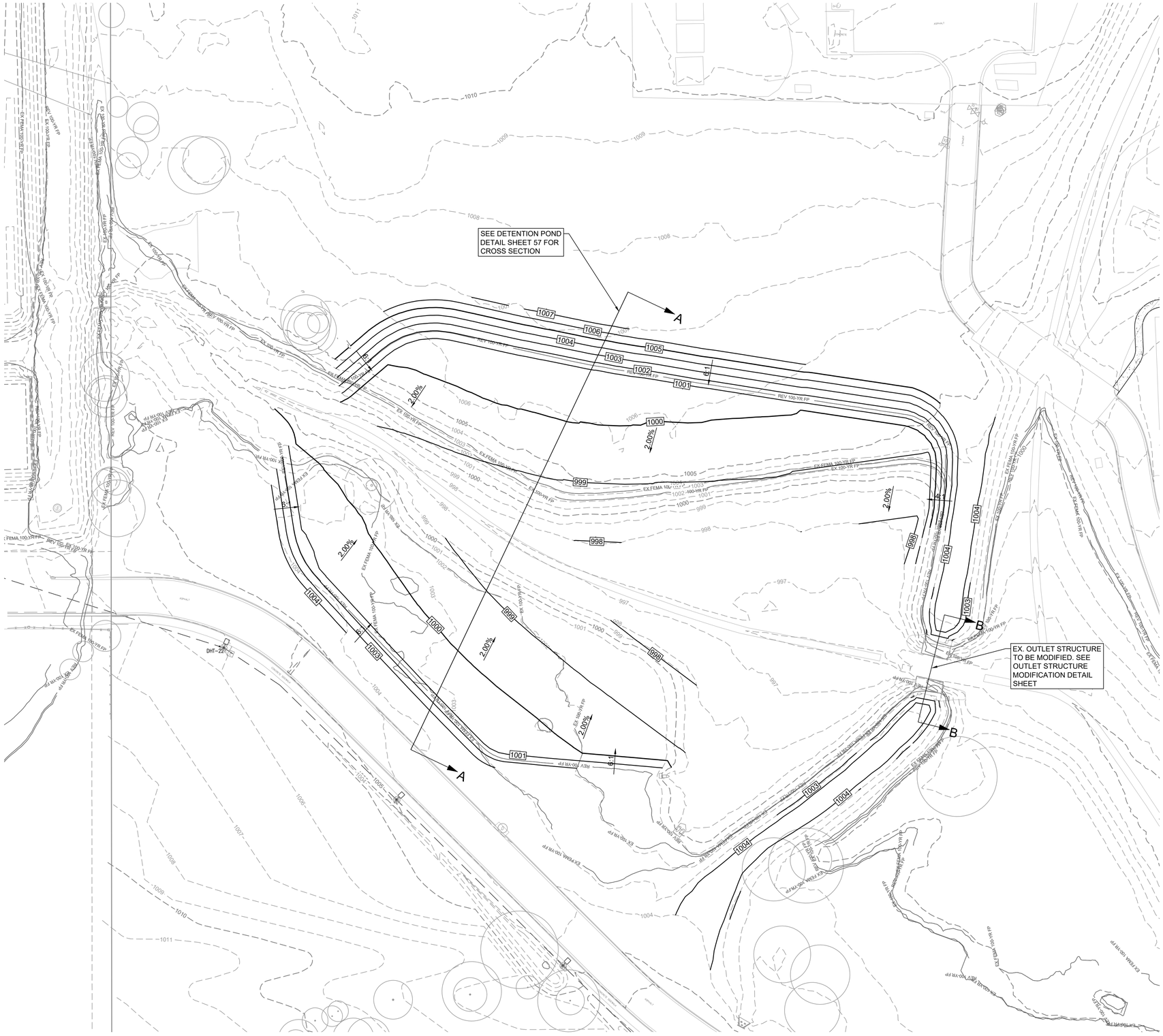
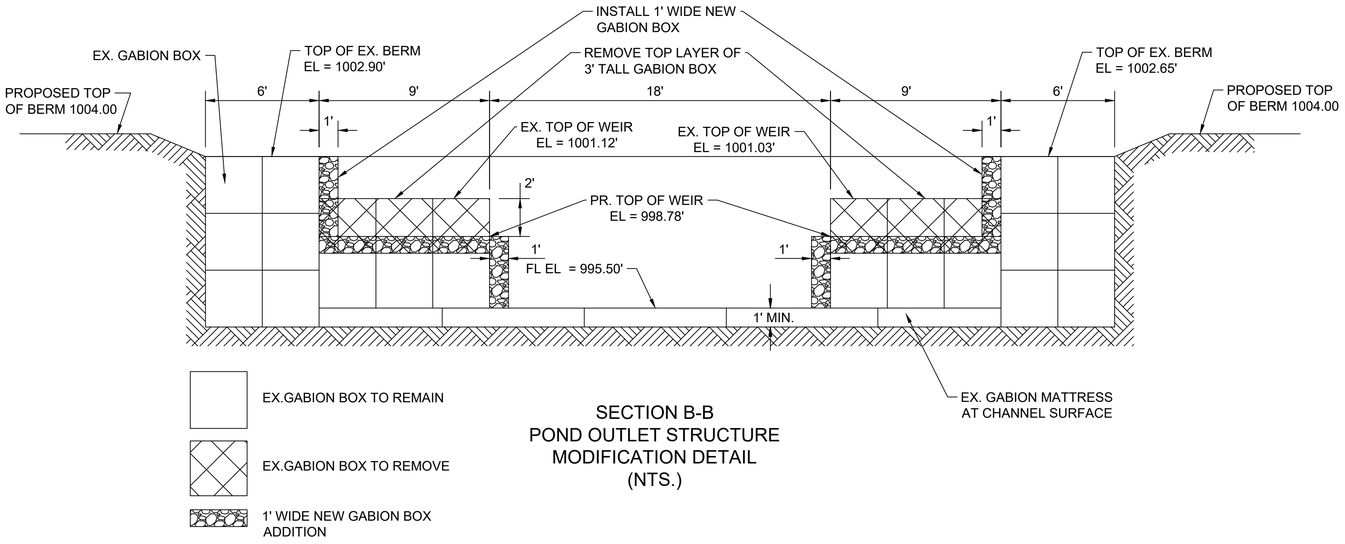
SCALE:	1" = ##'

SHEET TITLE

DETENTION POND ESC PLAN

FILE NAME: A:\53000s\53112009\PW\CADD\Sheets\Detention Pond Sheets\C-PLAN-ESC-FEMA-53112.09.dwg DATE: January 28, 2026, TIME: 9:36 AM, USER: ah3305 AVO: 53112.002


SEE DETENTION POND DETAIL SHEET 57 FOR CROSS SECTION
EX. OUTLET STRUCTURE TO BE MODIFIED. SEE OUTLET STRUCTURE MODIFICATION DETAIL SHEET
A
A
B
B
2.00%
6.9
6.1
6.7
8.3
EX FEMA 100-YR FP
EX 100-YR FP
REV 100-YR FP
EX 100-YR FP
EX 100-YR FP
EX



SECTION B-B
POND OUTLET STRUCTURE
MODIFICATION DETAIL
(NTS.)

NOTES:

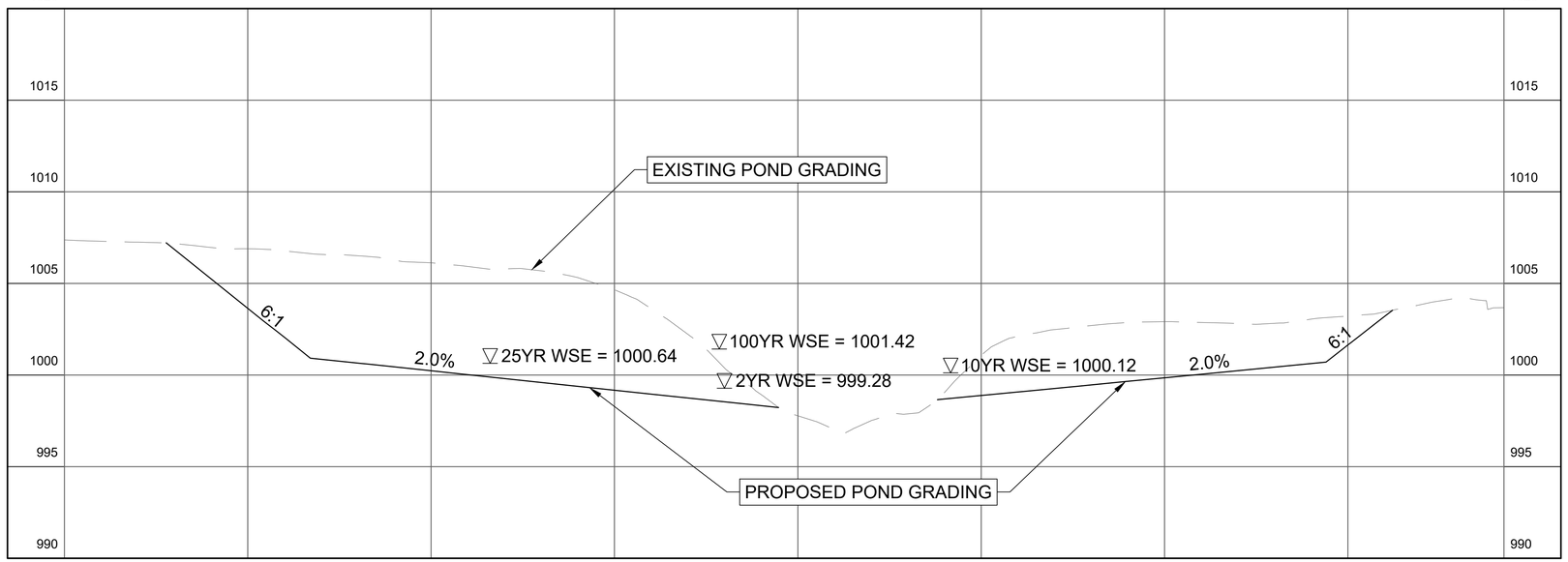
1. REPLACEMENT GABION BOX SHALL BE ZINC COATED WITH DOUBLE TWISTED HEXAGONAL MESH, MACCAFERRI, INC OR APPROVED EQUAL.
2. INSTALL PER MAUNFACTURER DESIGN SPECIFICATIONS AS REVIEWED AND APPROVED BY ENGINEER.
3. GABION REPLACEMENT SHALL EXTEND TO THE ENTIRE DEPTH (~21') OF THE OUTLET STRUCTURE.

FREQUENCY	WSEL (ft)	
	EX	PR
2-YR	999.12	999.28
10-YR	1000.29	1000.12
25-YR	1001.03	1000.64
50-YR	1001.47	1000.99
100-YR	1001.94	1001.42
500-YR	1002.9	1002.36

*

1. WSEL FROM HEC-RAS MODEL VERSION 6.6 AT THE POND OUTLET.

POND-SECTION A-A



LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
LEANDER TEXAS
SD-___-___

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halff
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REVISION NO.	DATE	DESCRIPTION

STATE OF TEXAS
JOPERT B. GAVINO
146934
LICENSED PROFESSIONAL ENGINEER
1/28/2026

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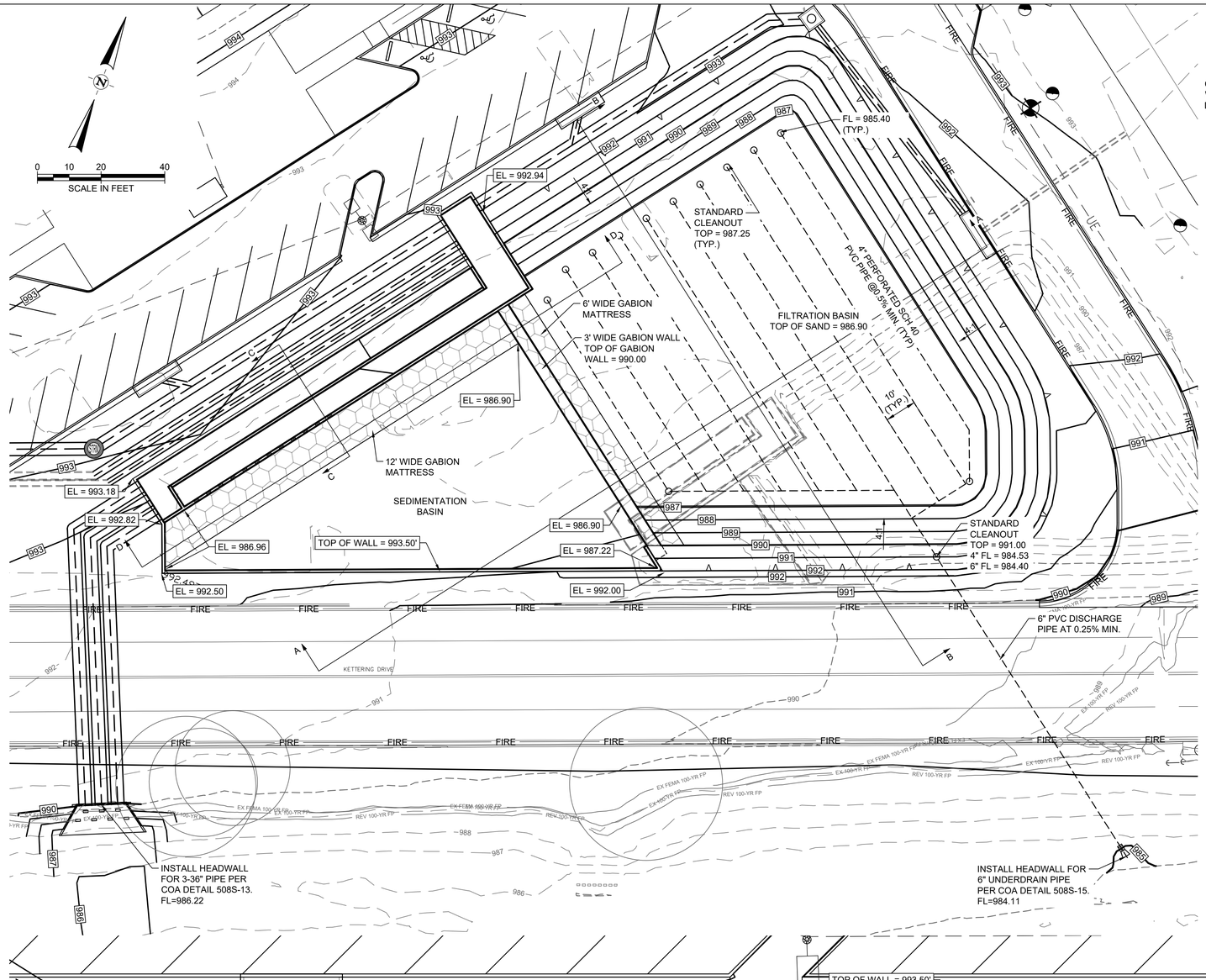
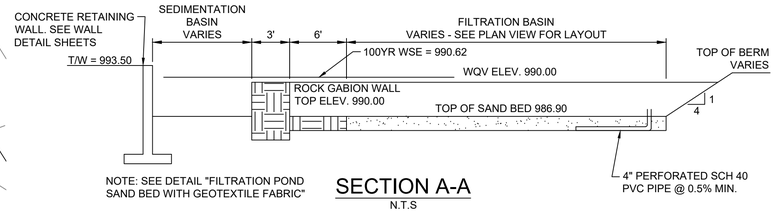
CHECKED BY:	--
SCALE:	

SHEET TITLE

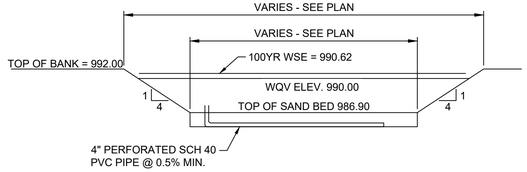
DETENTION POND DETAILS

FILE NAME: A:\53000s\53112\009\PW\CADD\Sheets\Detention Pond Sheets\C-DETL-POND-53112.09.dwg DATE: January 28, 2026, TIME: 9:37 AM, USER: alt3305 AVO: 53112.002

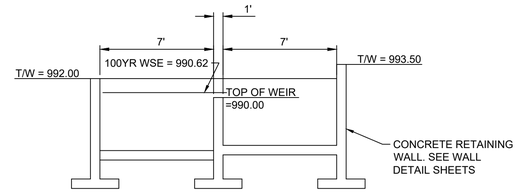




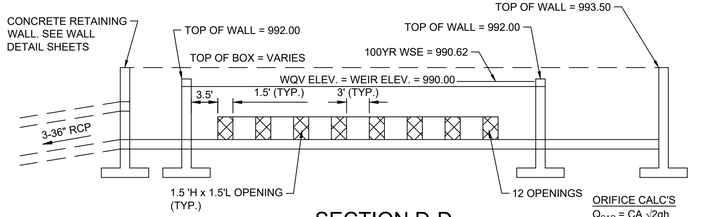
SECTION A-A
N.T.S



SECTION B-B
N.T.S



SECTION C-C
N.T.S

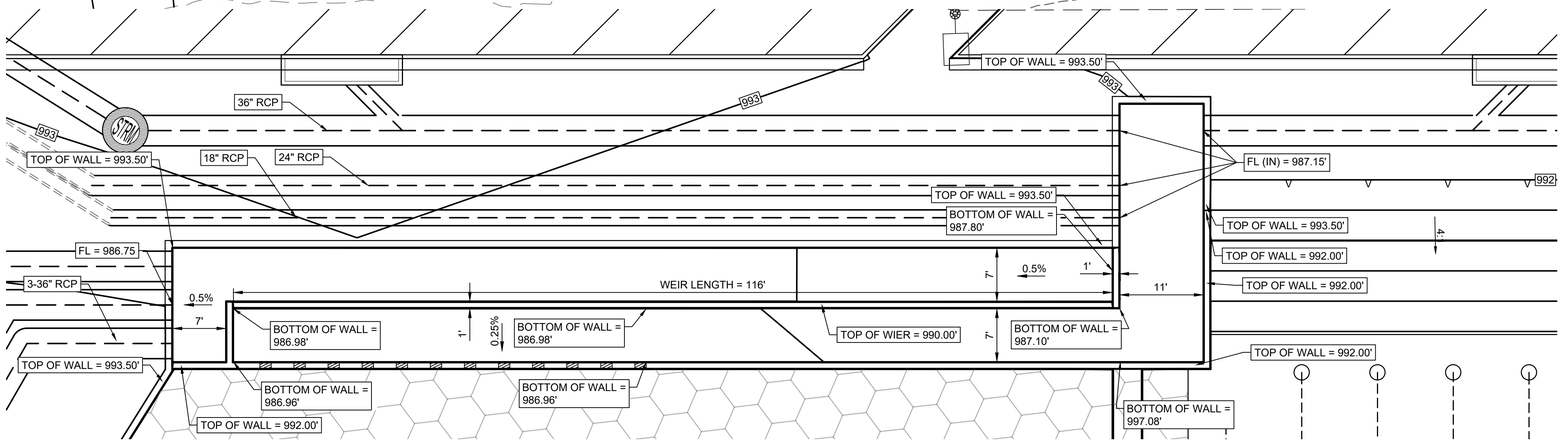


SECTION D-D
N.T.S

ORIFICE CALC'S
$Q_{CAP} = CA\sqrt{2gh}$
C = 0.6
A = 2.25 FT^2
g = 32.2 FT/S^2
h = 2.27 FT
Q_{CAP} = 16.32 cfs EACH
12 = 195.84 cfs TOTAL

REQUIRED 189.64 cfs

NOTE:
1. SEE STRUCTURAL SHEETS FOR WATER QUALITY POND RETAINING WALL DETAILS.



SPLITTER BOX PLAN VIEW
1"=10"

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MODERNIZATION PHASE 2
LEANDER TEXAS
SD- ____

LEANDER I.S.D.
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SHEET TITLE
WATER QUALITY POND PLAN AND SECTIONS

58 OF 104

FILE NAME: A:\53000s\53112\0009\PWCADD\Sheets\C-PLAN-WQ-POND-53112.09.dwg DATE: January 28, 2026, TIME: 9:38 AM, USER: ah3305 AVO: 53112.002

Texas Commission on Environmental Quality

TSS Removal Calculations 04-20-2009

Project Name: LISD-Leander High School Phase 2
Date Prepared: 1/14/2026

Additional information is provided for cells with a red triangle in the upper right corner. Place the cursor over the cell.
Text shown in blue indicate location of instructions in the Technical Guidance Manual - RG-348.
Characters shown in red are data entry fields.
Characters shown in black (Bold) are calculated fields. Changes to these fields will remove the equations used in the spreadsheet.

1. The Required Load Reduction for the total project: Calculations from RG-348 Pages 3-27 to 3-30

Page 3-29 Equation 3.3: $L_M = 27.2(A_N \times P)$

where:
$L_{M\ TOTAL\ PROJECT}$ = Required TSS removal resulting from the proposed development = 80% of increased load
A_N = Net increase in impervious area for the project
P = Average annual precipitation, inches

Site Data: Determine Required Load Removal Based on the Entire Project

County =	Williamson	
Total project area included in plan * =	90.00	acres
Predevelopment impervious area within the limits of the plan * =	33.48	acres
Total post-development impervious area within the limits of the plan* =	42.89	acres
Total post-development impervious cover fraction * =	0.48	
P =	32	inches
$L_{M\ TOTAL\ PROJECT}$ =	8190	lbs.

* The values entered in these fields should be for the total project area

Number of drainage basins / outfalls areas leaving the plan area = 1

2. Drainage Basin Parameters (This information should be provided for each basin):

Drainage Basin/Outfall Area No. = 1

Total drainage basin/outfall area =	15.75	acres
Predevelopment impervious area within drainage basin/outfall area =	0.00	acres
Post-development impervious area within drainage basin/outfall area =	10.47	acres
Post-development impervious fraction within drainage basin/outfall area =	0.66	
$L_{M\ THIS\ BASIN}$ =	9113	lbs.

3. Indicate the proposed BMP Code for this basin.

Proposed BMP = Sand Filter
Removal efficiency = 89 percent

4. Calculate Maximum TSS Load Removed (L_R) for this Drainage Basin by the selected BMP Type.

RG-348 Page 3-33 Equation 3.7: $L_R = (\text{BMP efficiency}) \times P \times (A_I \times 34.6 + A_P \times 0.54)$

where:
A_C = Total On-Site drainage area in the BMP catchment area
A_I = Impervious area proposed in the BMP catchment area
A_P = Pervious area remaining in the BMP catchment area
L_R = TSS Load removed from this catchment area by the proposed BMP

A_C =	15.75	acres
A_I =	10.47	acres
A_P =	5.28	acres
L_R =	10398	lbs

5. Calculate Fraction of Annual Runoff to Treat the drainage basin / outfall area

Desired $L_{M\ THIS\ BASIN}$ = 9113 lbs.

F = 0.88

6. Calculate Capture Volume required by the BMP Type for this drainage basin / outfall area. Calculations from RG-348 Pages 3-34 to 3-36

Rainfall Depth =	1.50	inches
Post Development Runoff Coefficient =	0.47	
On-site Water Quality Volume =	40510	cubic feet

Calculations from RG-348 Pages 3-36 to 3-37

Off-site area draining to BMP =	0.00	acres
Off-site Impervious cover draining to BMP =	0.00	acres
Impervious fraction of off-site area =	0	
Off-site Runoff Coefficient =	0.00	
Off-site Water Quality Volume =	0	cubic feet
Storage for Sediment =	8102	
Total Capture Volume (required water quality volume(s) x 1.20) =	48612	cubic feet

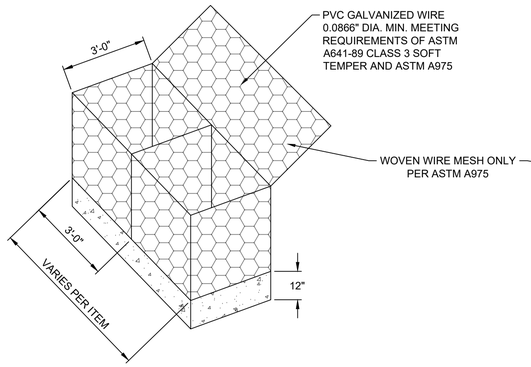
9. Filter area for Sand Filters Designed as Required in RG-348 Pages 3-58 to 3-63

9A. Full Sedimentation and Filtration System

Water Quality Volume for sedimentation basin =	48612	cubic feet
Minimum filter basin area =	2251	square feet
Maximum sedimentation basin area =	20255	square feet For minimum water depth of 2 feet
Minimum sedimentation basin area =	5064	square feet For maximum water depth of 8 feet

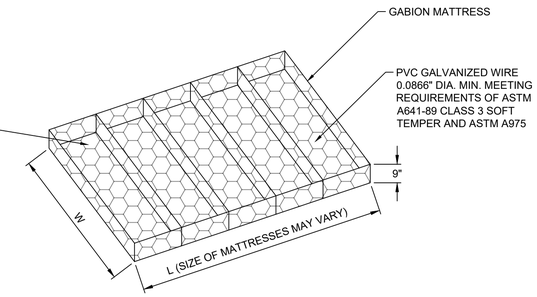
9B. Partial Sedimentation and Filtration System

Water Quality Volume for combined basins =	48612	cubic feet
Minimum filter basin area =	4051	square feet
Maximum sedimentation basin area =	16204	square feet For minimum water depth of 2 feet
Minimum sedimentation basin area =	1013	square feet For maximum water depth of 8 feet



NOTE:
1. 5"-8" STANDARD ROCK SIZE PER COA STANDARD SPECIFICATION 594S

GABION WALL DETAIL
N.T.S



NOTE:
1. 3"-5" STANDARD ROCK SIZE PER COA STANDARD SPECIFICATION 594S

GABION MATTRESS DETAIL
N.T.S

LEANDER HIGH SCHOOL MASTERPLAN
MODERNIZATION PHASE 2
Partial Sedimentation / Filtration Pond Calculation Summary

Drainage Area Data

Drainage Area to Control	15.75	ac.
Drainage Area Impervious Cover (IC)	66.48%	

Water Quality Control Calculations

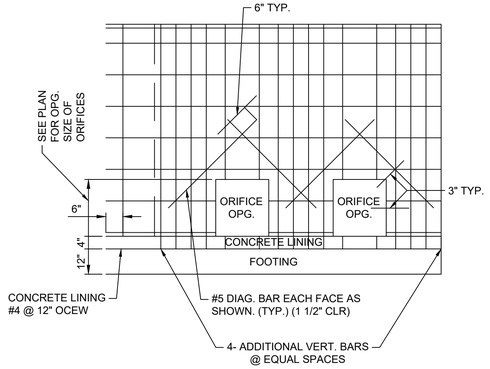
The Water Quality Control is to be PARTIAL Sedimention/Filtration		
Site Area Draining to Pond	15.75	ac
Total Impervious Cover Draining to Pond	10.47	ac
Design peak Flow Rate (Q100)	191.13	cfs

	Required		Provided	
Water Quality Volume	48,612		64,637	cf
Filtration Pond Area	4,051	(min.)	11,366	sf
Sedimentaion Pond Area	16,204	(max.)	7,069	sf
	1,013	(min.)	7,069	sf

Water Quality Elevation	990.00	ft. msl
Elevation of Splitter/Overflow Weir	990.00	ft. msl
Elevation of Top of Gabion Wall	990.00	ft. msl
Length of Splitter Weir Required (h = 1.0 ft) 63.71 ft		
Legnth of Spliiter Weir Provided	116.00	ft
Required Head to Pass the Design Flow	0.63	ft
Sedimentation Pond Freeboard Provided to Pass Design Flow	2.00	ft

Sedimentation/Filtration Pond Volume

Elevation (ft msl)	Area (sf)	Area (acres)	Storage (cf)
986.90	11,827	0.27	-
987.00	18,783	0.43	1,530
988.00	20,341	0.47	21,092
989.00	21,715	0.50	42,120
990.00	23,319	0.54	64,637



ORIFICE OPENING DETAIL
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LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
LEANDER TEXAS
SD-

LEANDER I.S.D.
204 W. SOUTH ST.
LEANDER TEXAS

halff
13620 BRIARWICK DR. SUITE 100
AUSTIN, TEXAS 78729
TEL: (512) 777-4600

REVISION

NO.	DATE	DESCRIPTION

STATE OF TEXAS
ZHIPENG XING, P.E.
127763
LICENSED PROFESSIONAL ENGINEER
1/28/2026

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY ZHIPENG XING, P.E. LIC. # 127763

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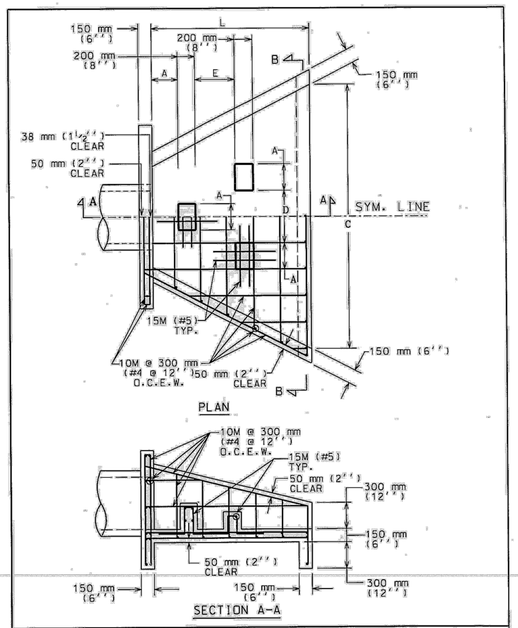
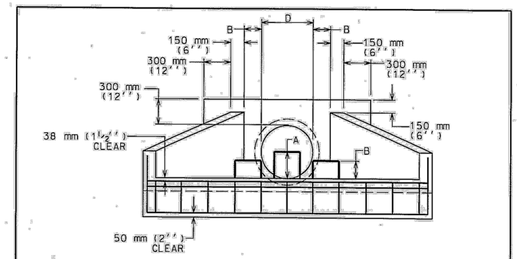
PROJECT NO.:	53112.009
ISSUED:	1/28/2026
DRAWN BY:	--
CHECKED BY:	--
SCALE:	1" = ##'

SHEET TITLE
WATER QUALITY POND CALCULATIONS & DETAILS

FILE NAME: A:\53000s\53112\009\PWCADDSheets\C-PLAN-WQ-POND-53112.09.dwg DATE: January 28, 2026, TIME: 9:38 AM, USER: ah3305 AVO: 53112.002



CITY OF AUSTIN DEPARTMENT OF WATERSHED PROTECTION AND DEVELOPMENT REVIEW	STANDARD HEADWALL AND ENERGY DISSIPATORS	STANDARD NO.
Bill Bardin 8/26/97 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	508S-13 1 OF 2



NOTES:

1. ALL CONCRETE SHALL BE TYPE "C" AS PER SPEC. 403S. CONCRETE FOR STURCTURES.
2. CHAMFER ALL EXTERNAL VISIBLE CORNERS.
3. DISSIPATOR BLOCKS REQUIRED ON DISCHARGE HEADWALLS ONLY.

D	457 mm (18")	533 mm (21")	610 mm (24")	685 mm (27")	765 mm (30")	838 mm (33")	914 mm (36")	1.067 m (42")	1.219 m (48")	1.372 m (54")	1.524 m (60")
A	225 mm (9")	250 mm (10")	300 mm (12")	350 mm (14")	375 mm (15")	400 mm (16")	450 mm (18")	525 mm (21")	600 mm (24")	675 mm (27")	750 mm (30")
B	150 mm (6")	175 mm (7")	200 mm (8")	225 mm (9")	250 mm (10")	275 mm (11")	300 mm (12")	350 mm (14")	400 mm (16")	450 mm (18")	500 mm (20")
C	2.29 m (90")	2.67 m (105")	3.05 m (120")	343 m (135")	3.81 m (150")	4.19 m (165")	4.57 m (180")	5.33 m (210")	6.10 m (240")	6.86 m (270")	7.62 m (300")
L	1.37 m (54")	1.60 m (63")	1.83 m (72")	2.06 m (81")	2.29 m (90")	2.51 m (99")	2.74 m (108")	3.20 m (126")	3.66 m (144")	4.11 m (162")	4.57 m (180")
E	300 mm (12")	350 mm (14")	400 mm (16")	450 mm (18")	500 mm (20")	550 mm (22")	600 mm (24")	700 mm (28")	800m (32")	900 mm (36")	1000 mm (40")

DIMENSIONS IN MILLIMETERS, METERS AND (INCHES).
DISCHARGE VELOCITIES GREATER THAN 3 METERS/SECOND (10 fps) REQUIRE ROCK OUTLET PROTECTION.

CITY OF AUSTIN DEPARTMENT OF WATERSHED PROTECTION AND DEVELOPMENT REVIEW	STANDARD HEADWALL AND ENERGY DISSIPATORS	STANDARD NO.
Bill Bardin 8/26/97 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	508S-13 2 OF 2

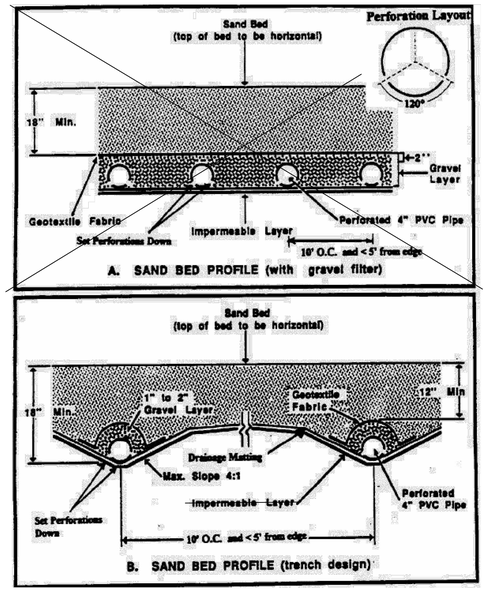
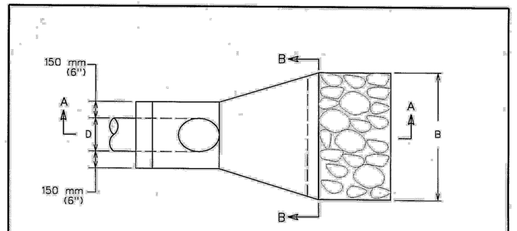
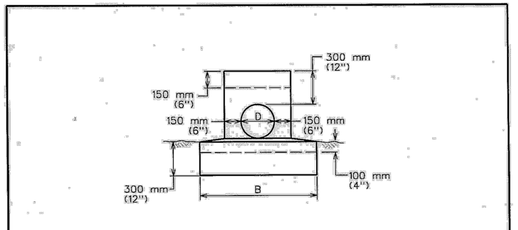


Figure 3-23 Schematic of Sand Bed Profile



CITY OF AUSTIN DEPARTMENT OF WATERSHED PROTECTION AND DEVELOPMENT REVIEW	HEADWALL FOR FILTRATION PONDS W/OUTFALL PIPE 150 mm (6") TO 375 mm (15") DIA.	STANDARD NO.
George E. Rowell 3/15/05 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	508S-15 1 OF 2



A	450 mm (18")	500 mm (20")	550 mm (22")	600 mm (24")	675 mm (27")
B	750 mm (30")	800 mm (32")	850 mm (34")	1.05 m (42")	1.27 m (51")
D	150 mm (6")	200 mm (8")	250 mm (10")	300 mm (12")	375 mm (15")
L	600 mm (24")	600 mm (24")	750 mm (30")	900 mm (36")	1.2 m (48")

CITY OF AUSTIN DEPARTMENT OF WATERSHED PROTECTION AND DEVELOPMENT REVIEW	HEADWALL FOR FILTRATION PONDS W/OUTFALL PIPE 150 mm (6") TO 375 mm (15") DIA.	STANDARD NO.
George E. Rowell 3/15/05 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	508S-15 2 OF 2

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MODERNIZATION PHASE 2
LEANDER TEXAS
SD- -

LEANDER I.S.D.
204 W. SOUTH ST.
LEANDER TEXAS

halff
13620 BRIARWICK DR. SUITE 100
AUSTIN, TEXAS 78729
TEL: (512) 777-4800

REVISION		
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STATE OF TEXAS
ZHIPENG XING, P.E.
127763
LICENSED
PROFESSIONAL ENGINEER
1/28/2026

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PROJECT NO.:	53112.009
ISSUED:	1/28/2026
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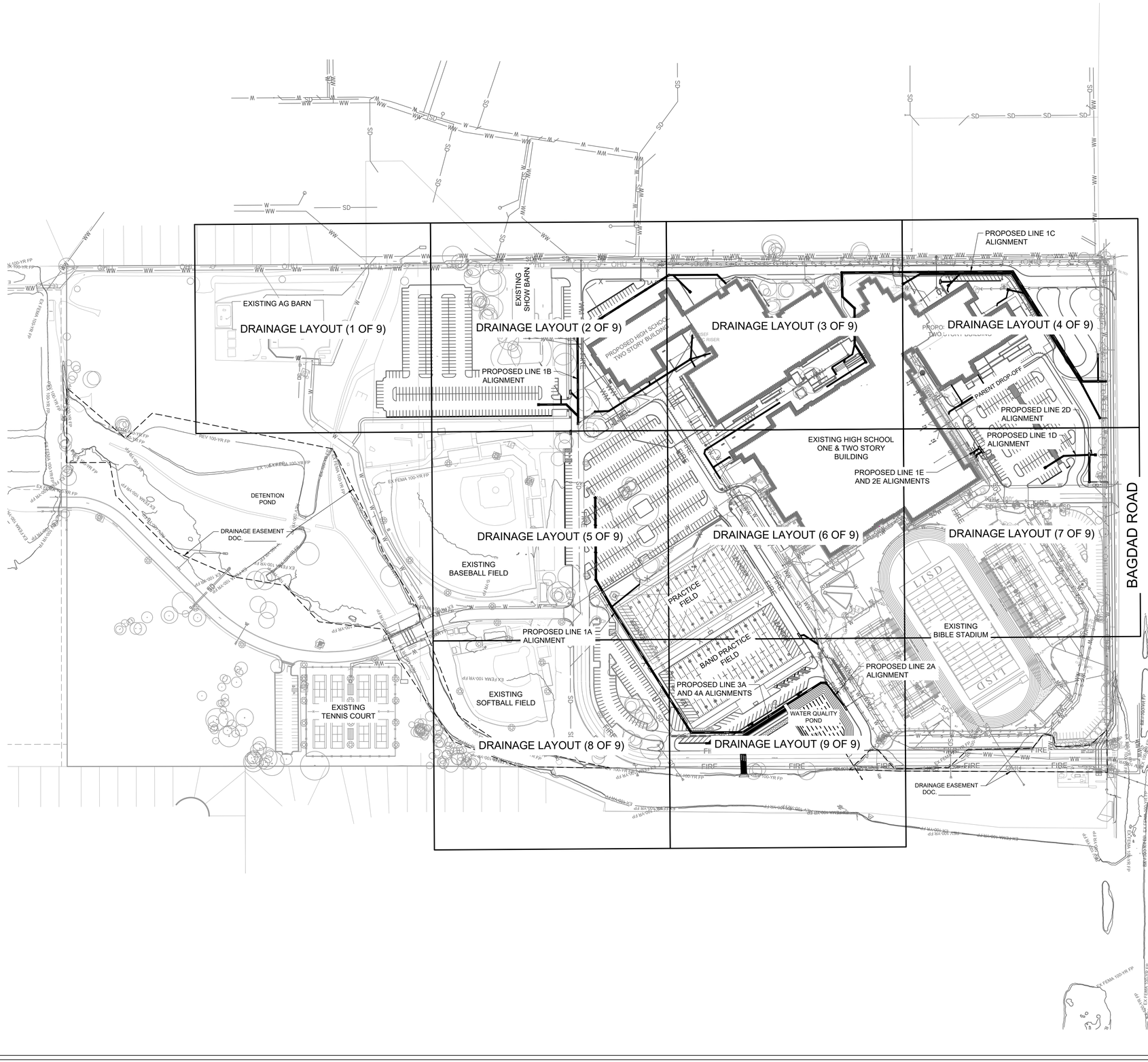
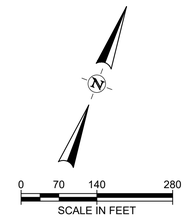
CHECKED BY:	--
SCALE:	NTS

SHEET TITLE

WATER QUALITY DETIALS

FILE NAME: A:\53000s\53112\009\PWCADD\Sheets\C-PLAN-WQ-POND-53112.09.dwg DATE: January 28, 2026, TIME: 9:38 AM, USER: ah3305 AVO: 53112.002





LEGEND

- PROPOSED WATER
- PROPOSED WASTEWATER
- PROPOSED STORM
- EXISTING WATER
- EXISTING WASTEWATER
- EXISTING STORM
- EXISTING ELECTRIC & COMMUNICATION
- EXISTING GAS
- EASEMENT
- EXISTING FLOODPLAIN
- PROPOSED FLOODPLAIN

NOTES:

1. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR TEMPORARY DRAINAGE DURING CONSTRUCTION. ANY TEMPORARY DRAINAGE OPERATIONS WILL BE REMOVED BY THE CONTRACTOR AS REQUIRED BY THE ENGINEER AT THE CONTRACTOR'S ENTIRE EXPENSE.
2. REMOVE PORTION OF EXISTING STORM DRAIN PIPE AS NECESSARY FOR INSTALLATION OF NEW PIPE/STRUCTURE. IF PIPE IS TO BE ABANDONED IN PLACE, GROUT WITH FLOWABLE FILL AND PLUG ALL ENDS.
3. CONTRACTOR SHALL VERIFY THE EXISTING STORM DRAIN PIPE AND STRUCTURE SIZE, LOCATION, AND ELEVATION.

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1/28/2026

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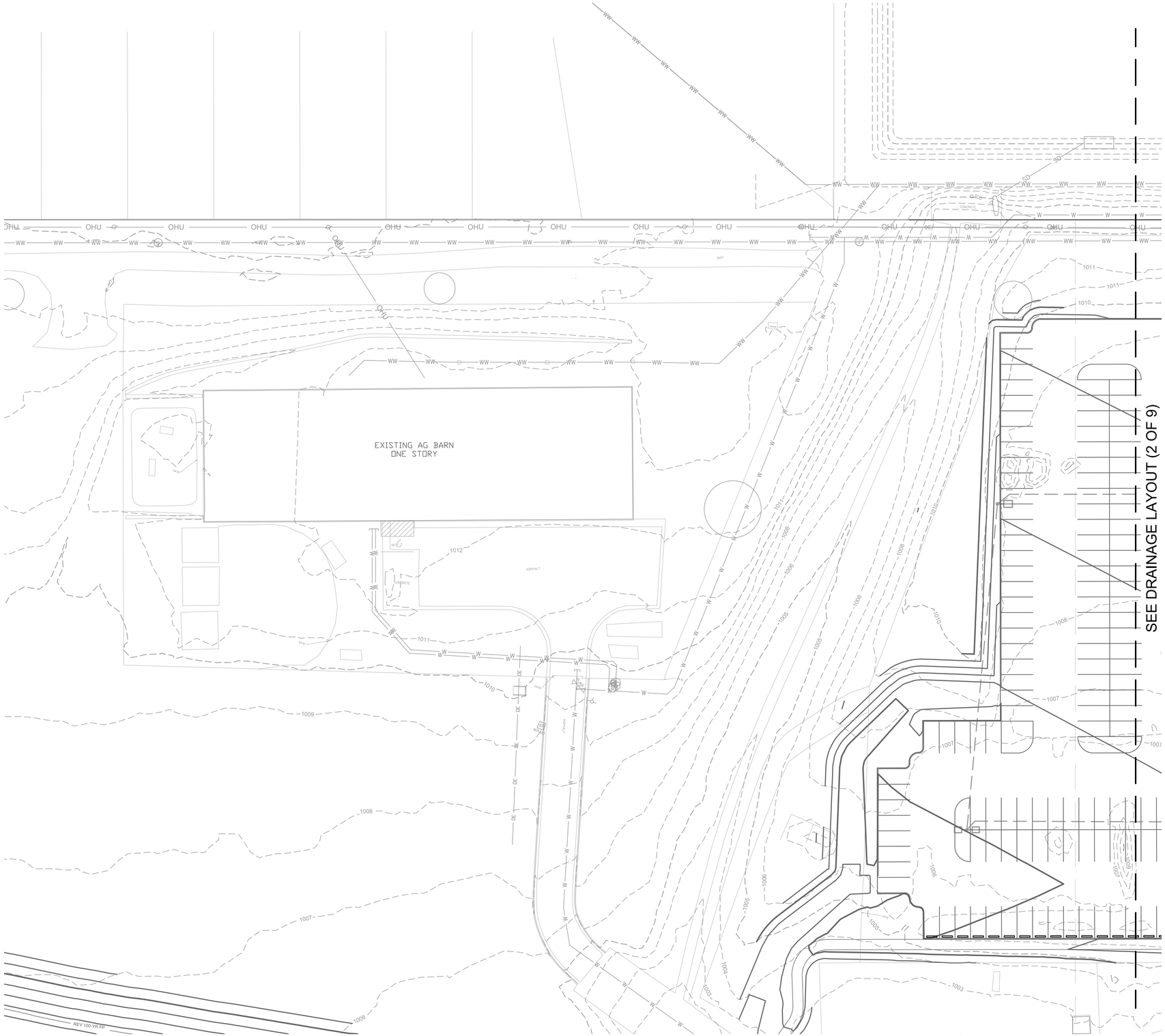
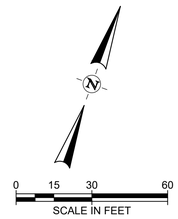
SHEET TITLE
OVERALL DRAINAGE LAYOUT

61 OF 104

FILE NAME: A:\53000s\53112\009\PW\CAD\Sheets\C-OVER-STRM-53112.09.dwg DATE: January 28, 2026, TIME: 9:38 AM, USER: ak3305 AVO: 53112.002





LEGEND

- EXISTING CONTOURS
- PROPOSED CONTOURS
- PROPOSED WATER
- PROPOSED WASTEWATER
- PROPOSED STORM
- EXISTING WATER
- EXISTING WASTEWATER
- EXISTING STORM TO REMAIN
- EXISTING STORM
- EXISTING ELECTRIC & COMMUNICATION
- EXISTING GAS

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MODERNIZATION PHASE 2
LEANDER TEXAS
SD- -

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LEANDER TEXAS

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AUSTIN, TEXAS 78729
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REVISION NO.	DATE	DESCRIPTION

STATE OF TEXAS
ZHIPENG XING, P.E.
127763
LICENSED PROFESSIONAL ENGINEER
1/28/2026

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PROJECT NO.:	53112.009
ISSUED:	1/28/2026
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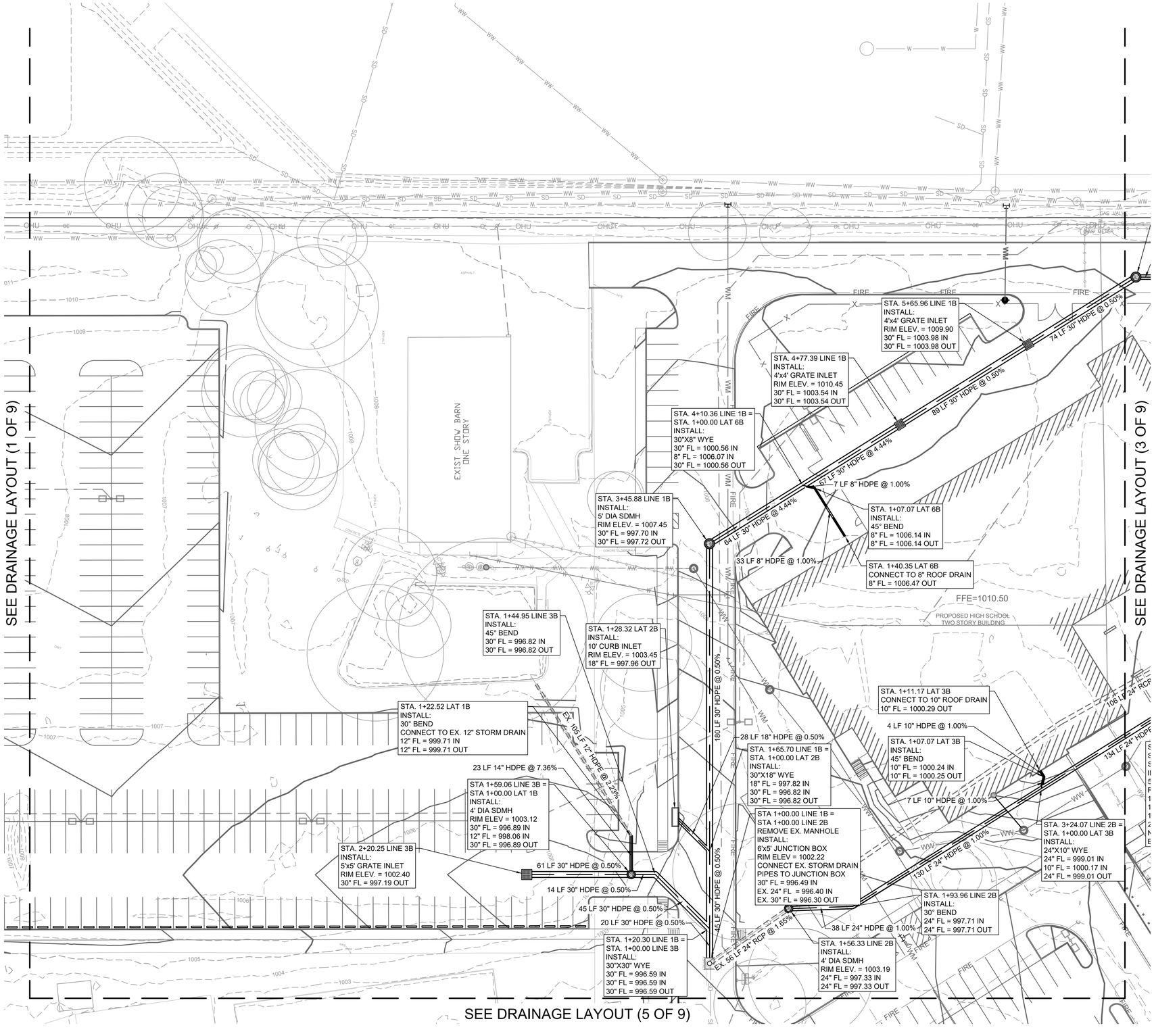
SCALE:	1" = 30'

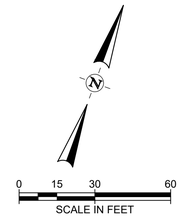
SHEET TITLE

DRAINAGE LAYOUT (1 OF 9)

62 OF 104

FILE NAME: A:\53000s\53112009\PW\CADD\Sheets\C-PLAN-STRM-53112.09.dwg DATE: January 28, 2026, TIME: 9:39 AM, USER: ah3305 AVO: 53112.002





LEGEND

- EXISTING CONTOURS
- PROPOSED CONTOURS
- PROPOSED WATER
- PROPOSED WASTEWATER
- PROPOSED STORM
- EXISTING WATER
- EXISTING WASTEWATER
- EXISTING STORM TO REMAIN
- EXISTING STORM
- EXISTING ELECTRIC & COMMUNICATION
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LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
LEANDER TEXAS
SD- -

LEANDER I.S.D.
204 W. SOUTH ST.
LEANDER TEXAS

halff
13620 BRAIRWICK DR. SUITE 100
AUSTIN, TEXAS 78729
TEL: (512)777-4800

REVISION NO.	DATE	DESCRIPTION

STATE OF TEXAS
ZHIPENG XING, P.E.
127763
LICENSED
PROFESSIONAL ENGINEER
1/28/2026

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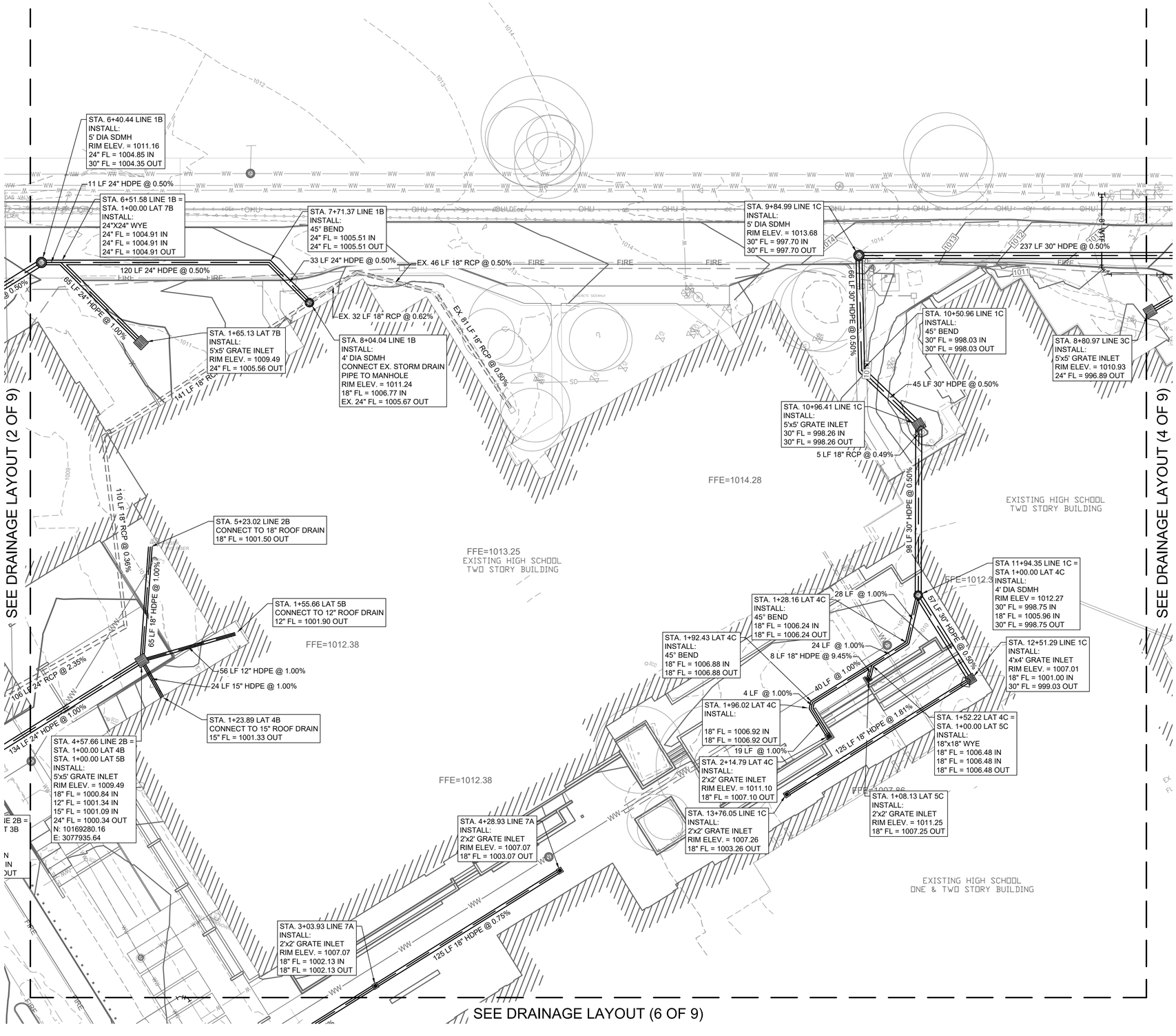
PROJECT NO.:	53112.009
ISSUED:	1/28/2026
DRAWN BY:	--
CHECKED BY:	--
SCALE:	1" = 30'

SHEET TITLE

DRAINAGE LAYOUT (2 OF 9)

63 OF 104

FILE NAME: A:\53000s\53112\009\PW\CADD\Sheets\C-PLAN-STRM-53112.09.dwg DATE: January 28, 2026, TIME: 9:39 AM, USER: ak3305 AVO: 53112.002



0 15 30 60
SCALE IN FEET

LEGEND

- EXISTING CONTOURS
- PROPOSED CONTOURS
- WM PROPOSED WATER
- WW PROPOSED WASTEWATER
- PROPOSED STORM
- W EXISTING WATER
- WW EXISTING WASTEWATER
- SD EXISTING STORM TO REMAIN
- SD EXISTING STORM
- EXISTING ELECTRIC & COMMUNICATION
- EXISTING GAS

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SHEET TITLE

DRAINAGE LAYOUT (3 OF 9)

64 OF 104

811 Know what's **below.** **Call** before you dig.

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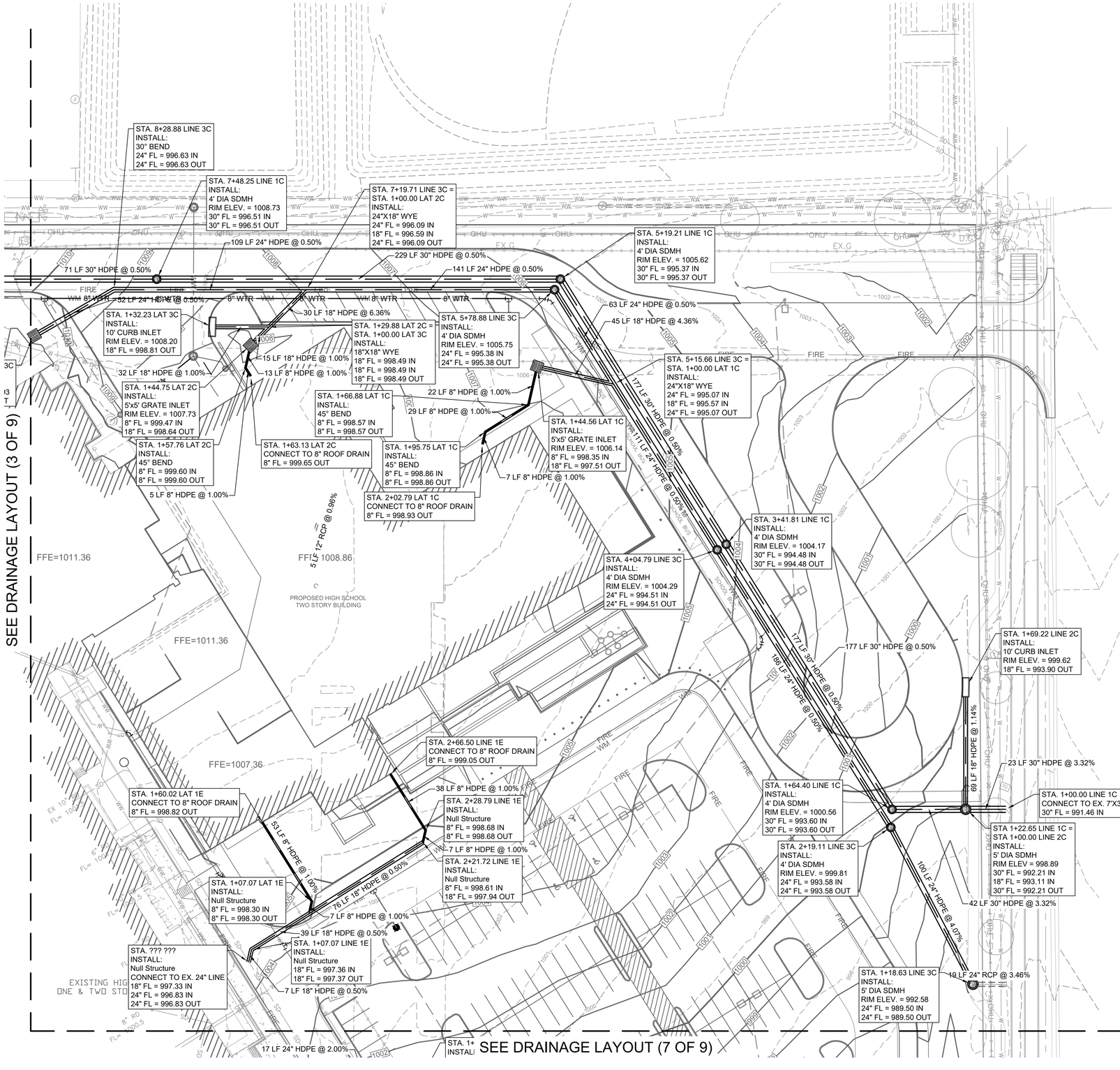

0 15 30 60
SCALE IN FEET

LEGEND

- EXISTING CONTOURS
- PROPOSED CONTOURS
- PROPOSED WATER
- PROPOSED WASTEWATER
- PROPOSED STORM
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DRAINAGE LAYOUT (4 OF 9)

65 OF 104

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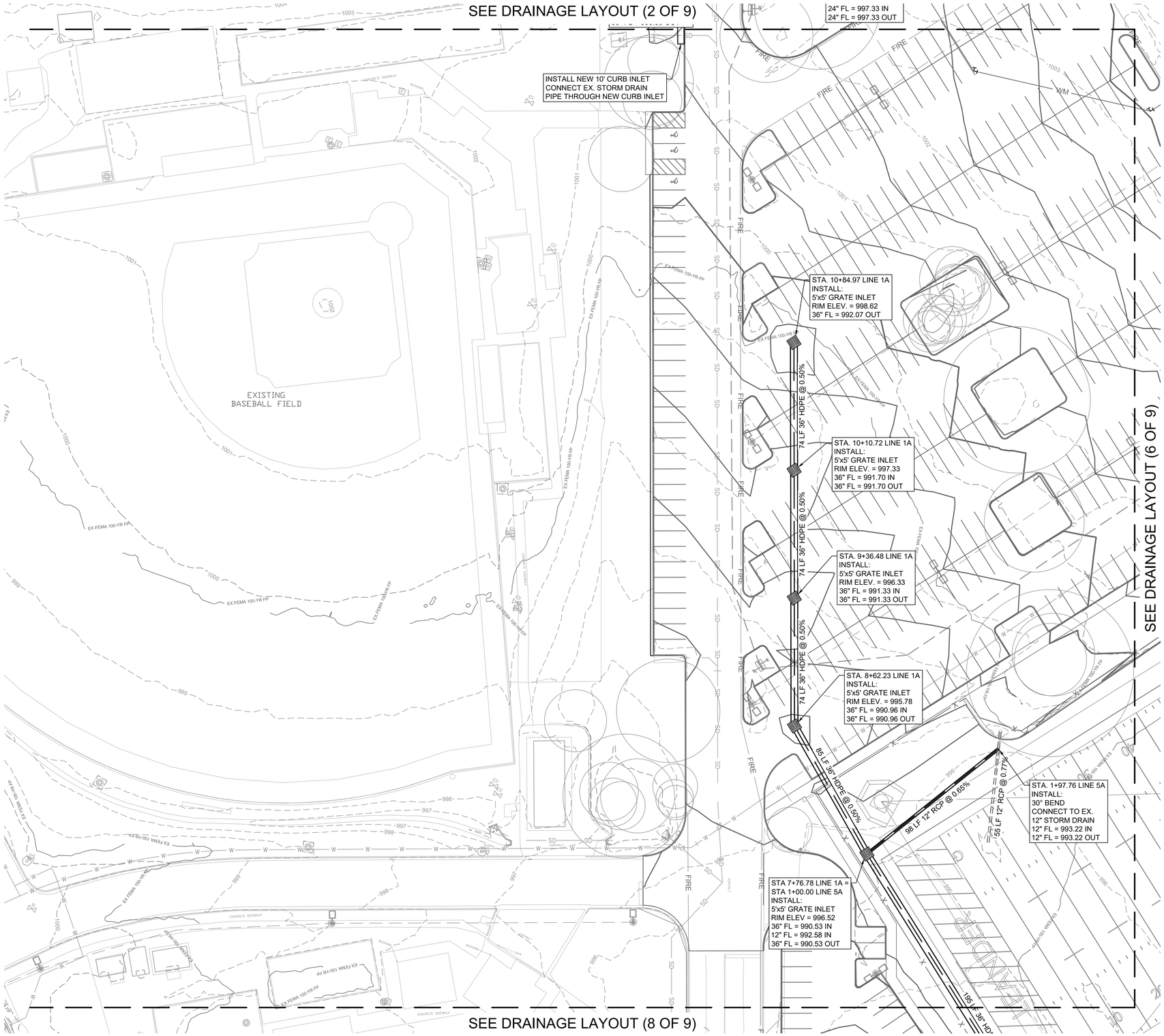

0 15 30 60
SCALE IN FEET

LEGEND

- EXISTING CONTOURS
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- PROPOSED WATER
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SHEET TITLE

DRAINAGE
LAYOUT (5 OF 9)

66 OF 104

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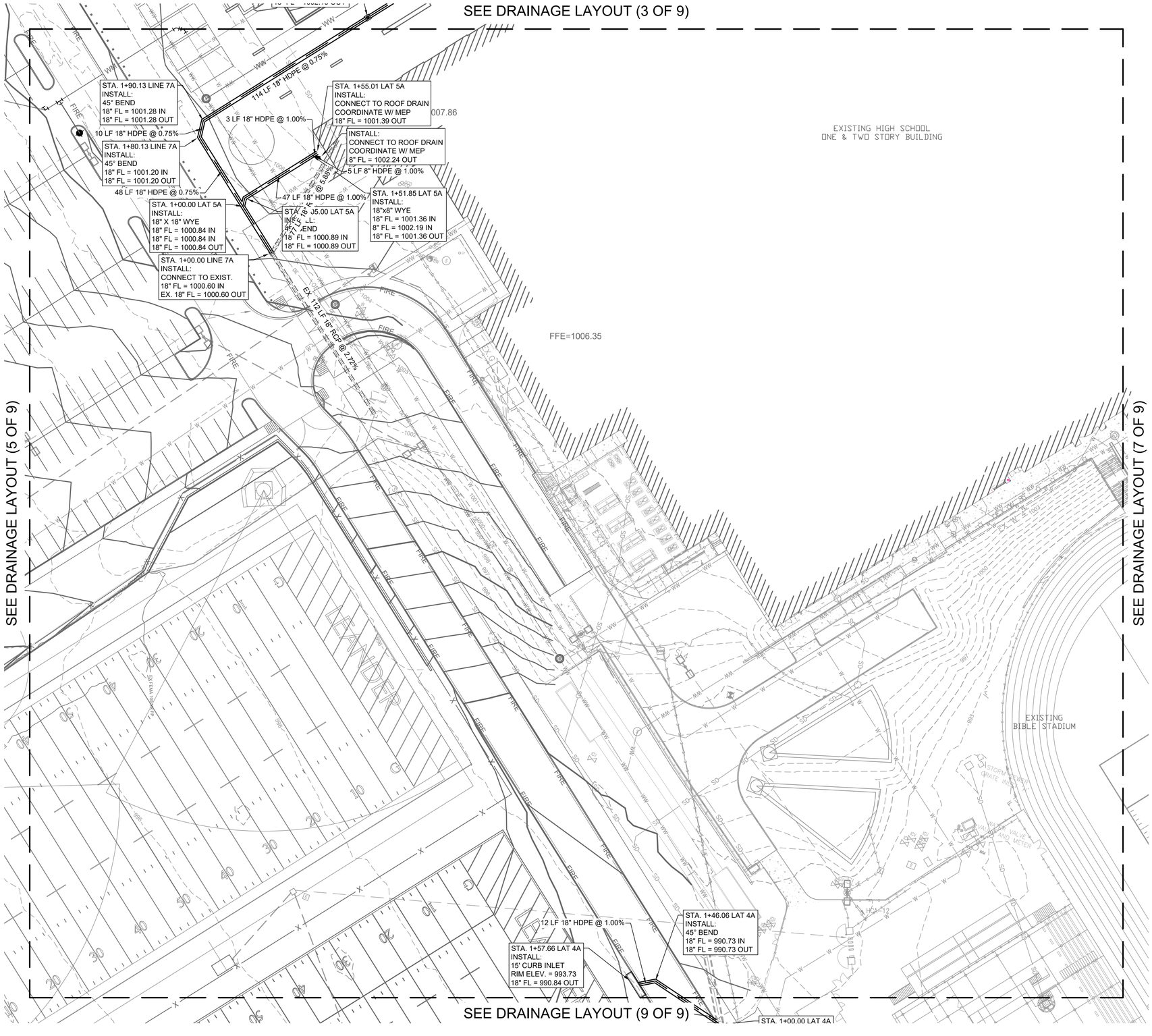

LEGEND

- EXISTING CONTOURS
- PROPOSED CONTOURS
- PROPOSED WATER
- PROPOSED WASTEWATER
- PROPOSED STORM
- EXISTING WATER
- EXISTING WASTEWATER
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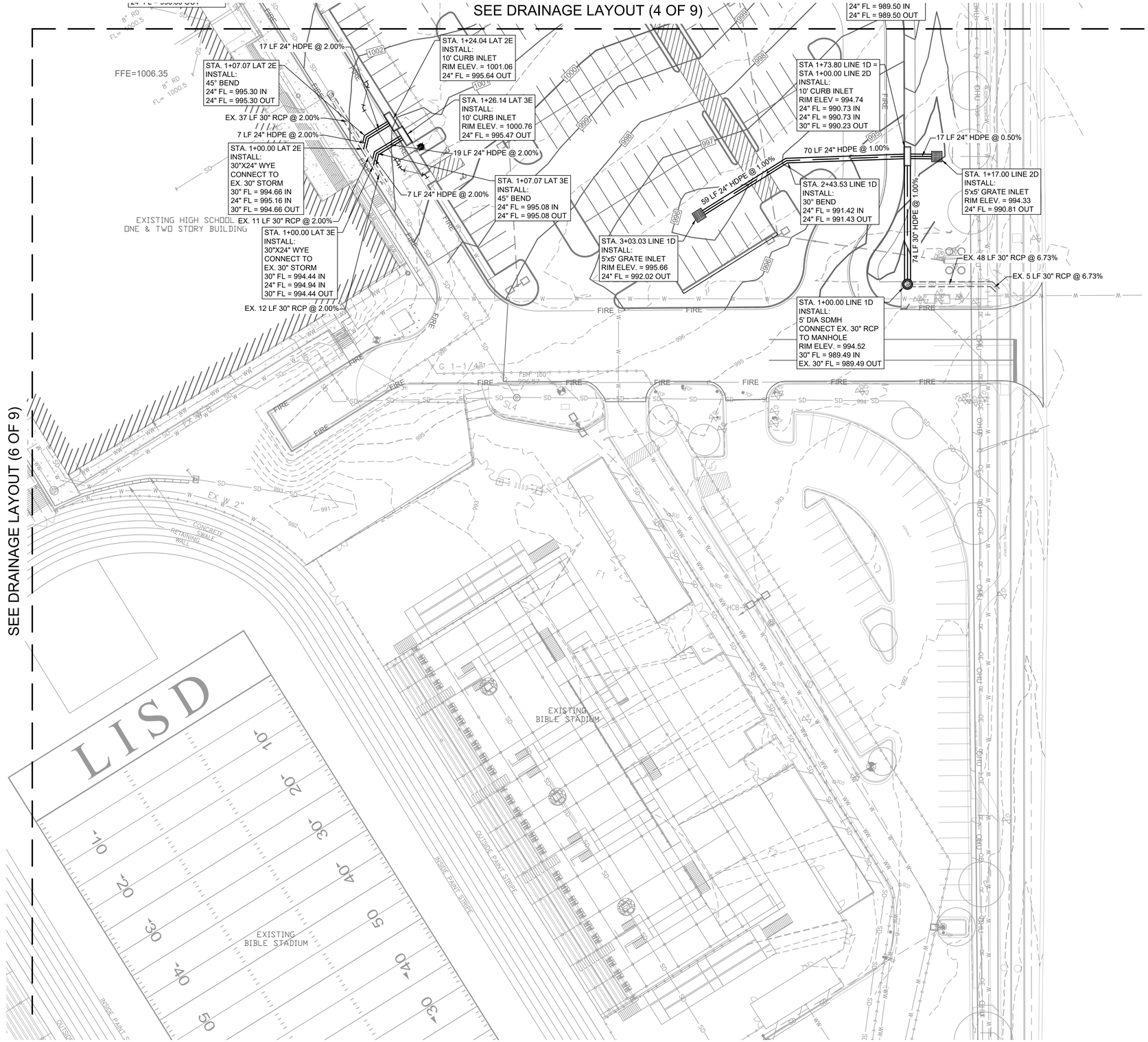
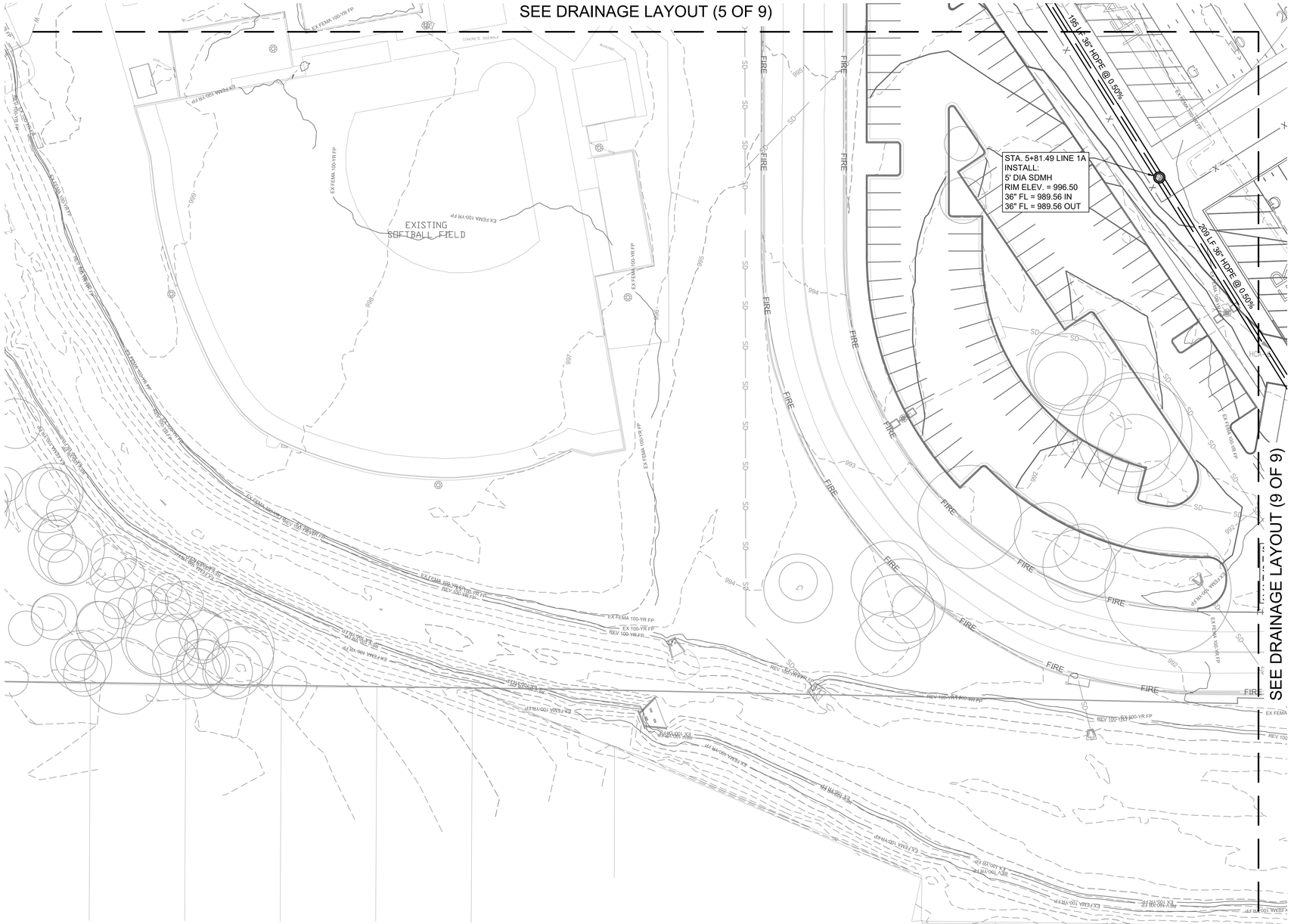
SHEET TITLE

DRAINAGE LAYOUT (6 OF 9)

FILE NAME: A:\53000s\53112009\PWCADD\Sheets\C-PLAN-STRM-53112.09.dwg DATE: January 28, 2026, TIME: 9:40 AM, USER: ah3305 AVO: 53112.002


SEE DRAINAGE LAYOUT (4 OF 9)
SEE DRAINAGE LAYOUT (6 OF 9)
FFE=1006.35
17 LF 24" HDPE @ 2.00%
STA. 1+07.07 LAT 2E
INSTALL:
45° BEND
24" FL = 995.30 IN
24" FL = 995.30 OUT
EX. 37 LF 30" RCP @ 2.00%
7 LF 24" HDPE @ 2.00%
STA. 1+00.00 LAT 2E
INSTALL:
30"X24" WYE
CONNECT TO
EX. 30" STORM
30" FL = 994.66 IN
24" FL = 995.16 IN
30" FL = 994.66 OUT
EXISTING HIGH SCHOOL
ONE & TWO STORY BUILDING
EX. 11 LF 30" RCP @ 2.00%
STA. 1+00.00 LAT 3E
INSTALL:
30"X24" WYE
CONNECT TO
EX. 30" STORM
30" FL = 994.44 IN
24" FL = 994.94 IN
30" FL = 994.44 OUT
EX. 12 LF 30" RCP @ 2.00%
STA. 1+24.04 LAT 2E
INSTALL:
10' CURB INLET
RIM ELEV. = 1001.06
24" FL = 995.64 OUT
STA. 1+26.14 LAT 3E
INSTALL:
10' CURB INLET
RIM ELEV. = 1000.76
24" FL = 995.47 OUT
19 LF 24" HDPE @ 2.00%
7 LF 24" HDPE @ 2.00%
STA. 1+07.07 LAT 3E
INSTALL:
45° BEND
24" FL = 995.08 IN
24" FL = 995.08 OUT
STA. 3+03.03 LINE 1D
INSTALL:
5'x5' GRATE INLET
RIM ELEV. = 995.66
24" FL = 992.02 OUT
59 LF 24" HDPE @ 1.00%
STA. 1+73.80 LINE 1D =
STA 1+00.00 LINE 2D
INSTALL:
10' CURB INLET
RIM ELEV = 994.74
24" FL = 990.73 IN
24" FL = 990.73 IN
30" FL = 990.23 OUT
24" FL = 989.50 IN
24" FL = 989.50 OUT
70 LF 24" HDPE @ 1.00%
17 LF 24" HDPE @ 0.50%
STA. 1+17.00 LINE 2D
INSTALL:
5'x5' GRATE INLET
RIM ELEV. = 994.33
24" FL = 990.81 OUT
STA. 2+43.53 LINE 1D
INSTALL:
30° BEND
24" FL = 991.42 IN
24" FL = 991.43 OUT
74 LF 30" HDPE @ 1.00%
EX. 48 LF 30" RCP @ 6.73%
EX. 5 LF 30" RCP @ 6.73%
STA. 1+00.00 LINE 1D
INSTALL:
5' DIA SDMH
CONNECT EX. 30" RCP
TO MANHOLE
RIM ELEV. = 994.52
30" FL = 989.49 IN
EX. 30" FL = 989.49 OUT
EXISTING
BIBLE STADIUM
LISD
OUTSIDE PAINT STRIPE
INSIDE PAINT STRIPE
CONCRETE RETAINING WALL
EX W 2"
EX 8" SS
EX 12" SS
EX 18" SS
EX 24" SS
EX 30" SS
EX 36" SS
EX 42" SS
EX 48" SS
EX 54" SS
EX 60" SS
EX 72" SS
EX 84" SS
EX 96" SS
EX 108" SS
EX 120" SS
EX 144" SS
EX 168" SS
EX 180" SS
EX 192" SS
EX 204" SS
EX 216" SS
EX 228" SS
EX 240" SS
EX 252" SS
EX 264" SS
EX 276" SS
EX 288" SS
EX 300" SS
EX 312" SS
EX


SEE DRAINAGE LAYOUT (5 OF 9)
SEE DRAINAGE LAYOUT (9 OF 9)
EXISTING SOFTBALL FIELD
STA. 5+81.49 LINE 1A
INSTALL:
5' DIA SDMH
RIM ELEV. = 996.50
36" FL = 989.56 IN
36" FL = 989.56 OUT
195 LF 36" HDPE @ 0.50%
209 LF 36" HDPE @ 0.50%
EX FEMA 100-YR FP
EX FEMA 100-YR FP
REV 100-YR FP
FIRE
SD
X
W
SS
EX FEMA 100-YR FP
REV 100-YR FP
EX 100-YR FP
REV 100-YR FP
EX FEMA 100-YR FP
REV 100-YR FP
EX FEMA 100-YR FP
REV 100-YR FP
EX FEMA

SEE DRAINAGE LAYOUT (6 OF 9)

SEE DRAINAGE LAYOUT (8 OF 9)

STA. 1+00.00 LAT 4A
INSTALL:
36"X18" WYE
36" FL = 988.77 IN
18" FL = 990.27 IN
36" FL = 988.77 OUT

46 LF 18" HDPE @ 1.00%

EX. 33 LF 36" HDPE @ 0.76%

EX. 74 LF 36" RCP @ 0.76%

STA. 1+11.31 LAT 3A
INSTALL:
15' CURB INLET
RIM ELEV. = 992.66
18" FL = 988.70 OUT

13 LF 36" HDPE @ 0.50%

STA. 2+08.75 LINE 2A
INSTALL:
30° BEND
36" FL = 987.69 IN
36" FL = 987.69 OUT

STA. 2+22.21 LINE 2A
INSTALL:
5'x5' JUNCTION BOX
RIM ELEV. = 992.82
18" FL = 987.76 IN
EX. 36" FL = 987.96 IN
36" FL = 987.96 OUT
EX. 36" FL = 987.96 IN
36" FL = 987.76 OUT

STA. 1+94.69 LINE 1A =
STA. 1+00.00 LAT 2A
INSTALL:
36"X18" WYE
36" FL = 987.62 IN
18" FL = 989.11 IN
36" FL = 987.62 OUT

11 LF 18" HDPE @ 1.00%

36 LF 36" HDPE @ 0.50%

STA. 1+11.31 LAT 2A
INSTALL:
15' CURB INLET
18" FL = 989.22 OUT

STA. 1+00.00 LINE 2A
CONNECT TO WATER
QUALITY POND HEADWORK
36" FL = 987.15 IN

73 LF 36" HDPE @ 0.50%

STA. 1+35.53 LINE 2A =
STA. 1+00.00 LAT 3A
INSTALL:
36"X18" WYE
36" FL = 987.33 IN
18" FL = 988.59 IN
36" FL = 987.33 OUT

86 LF 18" HDPE @ 0.50%

EX. 56 LF 12" HDPE @ 3.61%

STA. 3+07.81 LINE 2A
INSTALL:
15' CURB INLET
CONNECT EX. 12" HDPE
TO MANHOLE
RIM ELEV. = 992.19
12" FL = 988.36 IN
EX. 12" FL = 988.37 IN
18" FL = 988.19 OUT

STA. 1+00.00 LINE 1A
CONNECT TO WATER
QUALITY POND HEADWORK
36" FL = 987.15 IN

37 LF 36" HDPE @ 0.50%

STA. 2+31.25 LINE 1A
INSTALL:
5' DIA SDMH
RIM ELEV. = 992.93
36" FL = 987.81 IN
36" FL = 987.81 OUT

STA. 1+00.00 LAT 1A
INSTALL:
18"X18" WYE
TIE INTO TO EXISTING
18" HDPE PIPE
18" FL = 987.61 IN
18" FL = 987.61 IN
18" FL = 987.61 OUT

95 LF 36" HDPE @ 0.50%

STA. 1+00.00 LINE 3A
CONNECT TO WATER
QUALITY POND HEADWORK
24" FL = 987.13 IN

STA. 1+00.00 LINE 4A
CONNECT TO WATER
QUALITY POND HEADWORK
18" FL = 987.13 IN

141 LF 36" HDPE @ 0.50%

136 LF 24" HDPE @ 0.26%

133 LF 18" HDPE @ 0.24%

25 LF 36" HDPE @ 0.44%

STA. 3+72.13 LINE 1A
INSTALL:
5' DIA SDMH
RIM ELEV. = 992.88
36" FL = 988.51 IN
36" FL = 988.51 OUT

EX. 80 LF 18" HDPE @ 0.20%

STA. 2+33.94 LINE 6A
CONNECT TO WATER
QUALITY POND OUTLET
3 X 36" FL = 986.75 OUT

STA. 2+35.68 LINE 3A
INSTALL:
30° BEND
TIE INTO EX. 24"
STORM DRAIN PIPE
EX. 24" FL = 987.48 IN
24" FL = 987.48 OUT

19 LF 36" HDPE @ 0.57%

EX. 194 LF 24" HDPE @ 0.20%

EX. 120 LF 18" HDPE @ 0.20%

22 LF 3 - 36" HDPE @ 0.50%

STA. 1+26.27 LAT 1A
INSTALL:
15' CURB INLET
RIM ELEV. = 992.67
18" FL = 987.87 OUT

26 LF 18" HDPE @ 1.00%

STA. 2+33.15 LINE 4A
INSTALL:
30° BEND
TIE INTO EX. 18"
STORM DRAIN PIPE
EX. 18" FL = 987.45 IN
18" FL = 987.45 OUT

STA. 2+11.78 LINE 6A
INSTALL:
60° BEND
3 X 36" FL = 986.64 IN
3 X 36" FL = 986.64 OUT

87 LF 36" HDPE @ 0.48%

81 LF 36" HDPE @ 0.52%

84 LF 3 - 36" HDPE @ 0.50%

STA. 1+27.75 LINE 6A
INSTALL:
OUTFALL
36" FL = 986.22 IN

6" UNDERDRAIN PIPE
SEE SHEET 58

EXISTING
BIBLE STADIUM

ROCK
RETAINING
WALL

FIRE

OHU

SCALE IN FEET
0 15 30 60

LEGEND

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- PROPOSED STORM
- W — W — EXISTING WATER
- WW — WW — EXISTING WASTEWATER
- SD — SD — EXISTING STORM TO REMAIN
- SD — SD — EXISTING STORM
- EXISTING ELECTRIC & COMMUNICATION
- EXISTING GAS

NOTES:

1. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR TEMPORARY DRAINAGE DURING CONSTRUCTION. ANY TEMPORARY DRAINAGE OPERATIONS WILL BE REMOVED BY THE CONTRACTOR AS REQUIRED BY THE ENGINEER AT THE CONTRACTOR'S ENTIRE EXPENSE.
2. REMOVE PORTION OF EXISTING STORM DRAIN PIPE AS NECESSARY FOR INSTALLATION OF NEW PIPE/STRUCTURE. IF PIPE IS TO BE ABANDONED IN PLACE, GROUT WITH FLOWABLE FILL AND PLUG ALL ENDS.
3. CONTRACTOR SHALL VERIFY THE EXISTING STORM DRAIN PIPE AND STRUCTURE SIZE, LOCATION, AND ELEVATION.

Know what's **below.**
Call before you dig.

THE INFORMATION SHOWN ON THESE DRAWINGS INDICATING SIZE, TYPE AND LOCATION OF UNDERGROUND, SURFACE, AND AERIAL UTILITIES IS NOT GUARANTEED TO BE EXACT OR COMPLETE. THE CONTRACTOR SHALL CONTACT THE CITY OF LEANDER AREA "ONE CALL" SYSTEM AT 1-800-344-8377 (DIG TESS) 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION FOR EXISTING UTILITY LOCATIONS. THE CONTRACTOR SHALL ALSO BE FULLY RESPONSIBLE FOR FIELD VERIFYING LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES AFFECTED BY CONSTRUCTION FOR THIS PROJECT IN ORDER TO AVOID DAMAGING THOSE UTILITIES, AND SHALL IMMEDIATELY ARRANGE FOR REPAIR AND RESTORATION OF CONTRACTOR-DAMAGED UTILITIES TO THE UTILITY COMPANY'S APPROVAL AT THE EXPENSE OF THE CONTRACTOR.

LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
LEANDER TEXAS
SD- -

LEANDER I.S.D.
204 W. SOUTH ST.
LEANDER TEXAS

REVISION

NO.	DATE	DESCRIPTION

halff
13620 BRAKWICK DR., SUITE 100
AUSTIN, TEXAS 78729
TEL: (512) 777-4800

STATE OF TEXAS
ZHIPENG XING, P.E.
127763
LICENSED
PROFESSIONAL ENGINEER
1/28/2026

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY ZHIPENG XING, P.E. LIC. # 127763

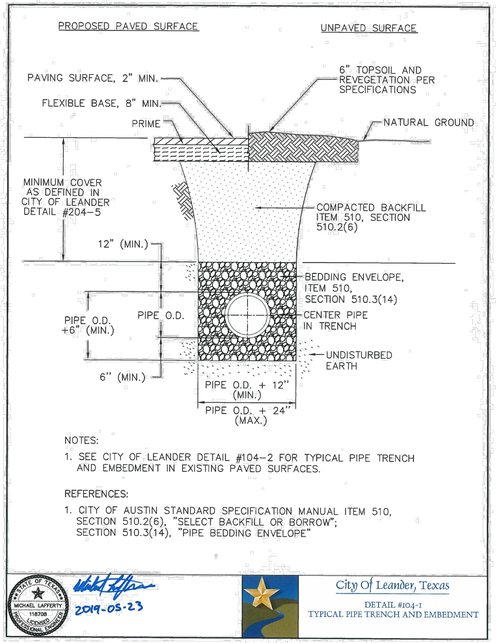
I CERTIFY THAT THESE DRAWINGS ARE COMPLETE, ACCURATE AND ADEQUATE FOR THEIR INTENDED PURPOSES, INCLUDING CONSTRUCTION, BUT ARE NOT AUTHORIZED FOR CONSTRUCTION UNTIL FORMAL CITY APPROVAL.

PROJECT NO.:	53112.009
ISSUED:	1/28/2026
DRAWN BY:	--
CHECKED BY:	--
SCALE:	1" = 30'

SHEET TITLE

DRAINAGE
LAYOUT (9 OF 9)

FILE NAME: A:\53000s\53112\009\PW\CADD\Sheets\C-PLAN-STRM-53112.09.dwg DATE: January 28, 2026, TIME: 9:40 AM, USER: ak3305 AVO: 53112.002



NOTES:

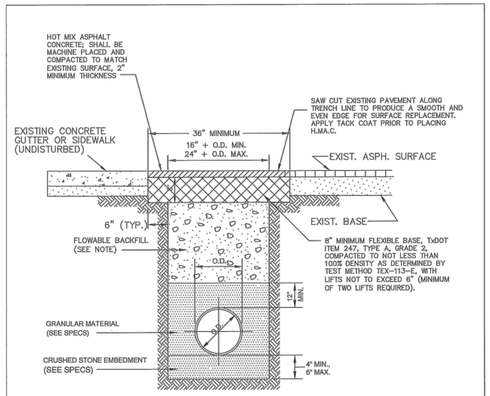
1. SEE CITY OF LEANDER DETAIL #104-2 FOR TYPICAL PIPE TRENCH AND EMBEDMENT IN EXISTING PAVED SURFACES.

REFERENCES:

1. CITY OF AUSTIN STANDARD SPECIFICATION MANUAL ITEM 510, SECTION 510.2(6), "SELECT BACKFILL OR BORROW"; SECTION 510.3(14), "PIPE BEDDING ENVELOPE"

MICHAEL LAFFERTY 118708 LICENSED PROFESSIONAL ENGINEER
2019-05-23

City Of Leander, Texas
DETAIL #104-1
TYPICAL PIPE TRENCH AND EMBEDMENT



N.T.S.

NOTES:

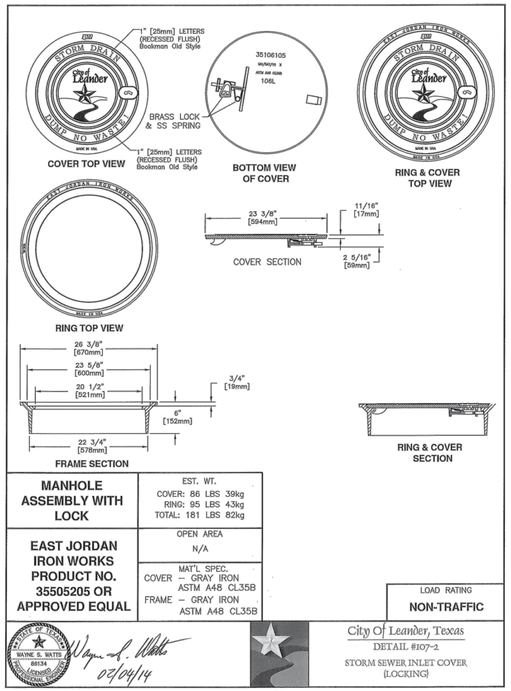
FLOWABLE BACKFILL SHALL CONSIST OF A MIXTURE OF NATIVE SOILS OR MANUFACTURED MATERIALS, CEMENT AND/OR FLY ASH, AND WATER WHICH PRODUCES A MATERIAL WITH UNCONFINED COMPRESSIVE STRENGTH OF BETWEEN 250 AND 450 PSI AFTER 28 DAYS. ANY MATERIALS USED SHALL BE PRIMARILY GRANULAR, WITH A PLASTICITY INDEX <12 AND WITH 100% PASSING A 3/4 INCH SIEVE. THE FLOWABLE MIXTURE SHALL BE MIXED IN A PUG MILL, CONCRETE MIXER, OR TRANSIT MIXER AND SHALL HAVE A MINIMUM SLUMP OF 5 INCHES. THE FLOWABLE MIXTURE MUST BE ALLOWED TO SET PRIOR TO THE PACEMENT OF ANY OVERLAYING MATERIAL.

ONE CONCRETE CYLINDER WILL BE REQUIRED FOR TESTING AND WILL BE FABRICATED BY THE CITY INSPECTOR.

THE PUBLIC WORKS DEPARTMENT IS TO BE CONTACTED AT 259-2640 PRIOR TO COMMENCEMENT OF BACKFILL OPERATIONS.

WAYNE S. WATTS 88134 LICENSED PROFESSIONAL ENGINEER
4/20/12

City Of Leander, Texas
DETAIL #104-2
TYPICAL TRENCH AND H.M.A.C. SURFACE REMOVAL AND REPLACEMENT DETAIL

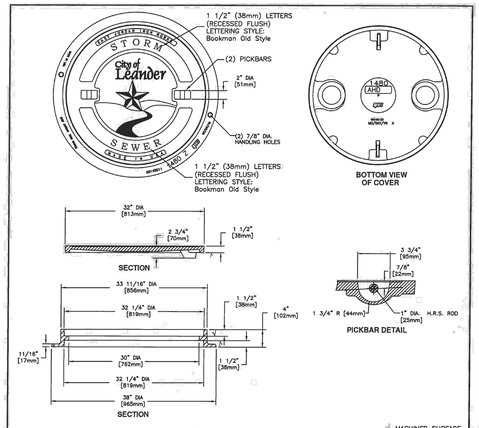


MANHOLE ASSEMBLY WITH LOCK	EST. WT. COVER: 86 LBS 39kg RING: 95 LBS 43kg TOTAL: 181 LBS 82kg
EAST JORDAN IRON WORKS PRODUCT NO. 35505205 OR APPROVED EQUAL	OPEN AREA N/A MAT'L SPEC. COVER – GRAY IRON ASTM A48 CL35B FRAME – GRAY IRON ASTM A48 CL35B

LOAD RATING
NON-TRAFFIC

WAYNE S. WATTS 88134 LICENSED PROFESSIONAL ENGINEER
04/04/14

City Of Leander, Texas
DETAIL #107-2
STORM SEWER INLET COVER (LOCKING)

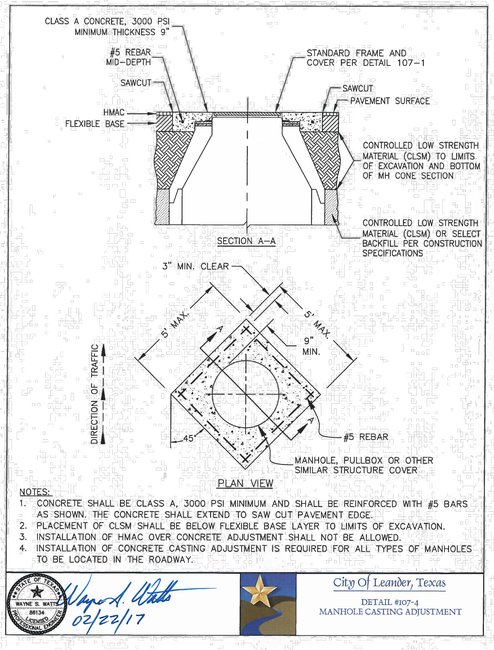


MANHOLE ASSEMBLY	EST. WT. COVER: 200 LBS 91kg FRAME: 155 LBS 70kg UNIT: 355 LBS 161kg
EAST JORDAN IRON WORKS PRODUCT NO. 00148105 OR NEENAH FOUNDRY DF-1274 LEANDER STORM	OPEN AREA N/A MAT'L SPEC. COVER – GRAY IRON ASTM A48 CL35B FRAME – GRAY IRON ASTM A48 CL35B

LOAD RATING
HEAVY DUTY (H20)

WAYNE S. WATTS 88134 LICENSED PROFESSIONAL ENGINEER
02/22/16

City Of Leander, Texas
DETAIL #107-3
STORM SEWER MANHOLE COVER (HEAVY DUTY)

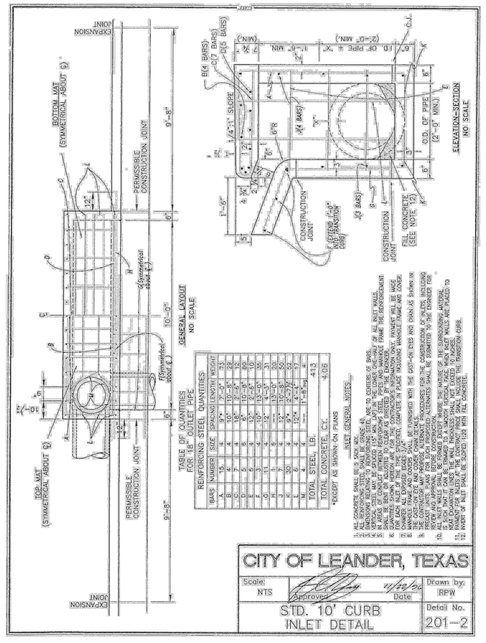


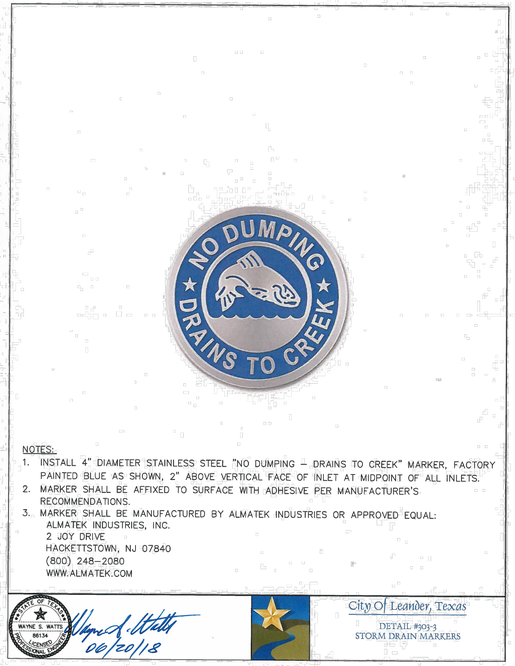
NOTES:

1. CONCRETE SHALL BE CLASS A, 3000 PSI MINIMUM AND SHALL BE REINFORCED WITH #5 BARS AS SHOWN. THE CONCRETE SHALL EXTEND TO SAW CUT PAVEMENT EDGE.
2. PLACEMENT OF CLSM SHALL BE BELOW FLEXIBLE BASE LAYER TO LIMITS OF EXCAVATION.
3. INSTALLATION OF HMAC OVER CONCRETE ADJUSTMENT SHALL NOT BE ALLOWED.
4. INSTALLATION OF CONCRETE CASTING ADJUSTMENT IS REQUIRED FOR ALL TYPES OF MANHOLES TO BE LOCATED IN THE ROADWAY.

WAYNE S. WATTS 88134 LICENSED PROFESSIONAL ENGINEER
02/22/17

City Of Leander, Texas
DETAIL #107-4
MANHOLE CASTING ADJUSTMENT





NOTES:

1. INSTALL 4" DIAMETER STAINLESS STEEL "NO DUMPING – DRAINS TO CREEK" MARKER, FACTORY PAINTED BLUE AS SHOWN, 2" ABOVE VERTICAL FACE OF INLET AT MIDPOINT OF ALL INLETS.
2. MARKER SHALL BE AFFIXED TO SURFACE WITH ADHESIVE PER MANUFACTURER'S RECOMMENDATIONS.
3. MARKER SHALL BE MANUFACTURED BY ALMATEK INDUSTRIES OR APPROVED EQUAL:
   ALMATEK INDUSTRIES, INC.
   2 JOY DRIVE
   HACKETTSTOWN, NJ 07840
   (800) 248-2080
   WWW.ALMATEK.COM

WAYNE S. WATTS 88134 LICENSED PROFESSIONAL ENGINEER
06/20/18

City Of Leander, Texas
DETAIL #303-3
STORM DRAIN MARKERS

LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
LEANDER TEXAS
SD- ____ -

LEANDER I.S.D.
204 W. SOUTH ST.
LEANDER TEXAS

halff
13620 BRAVWICK DR., SUITE 100
AUSTIN, TEXAS 78729
TEL: (512)777-4600

REVISION NO.	DATE	DESCRIPTION

STATE OF TEXAS ZHIPENG XING, P.E. 127763 LICENSED PROFESSIONAL ENGINEER
1/28/2026

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY ZHIPENG XING, P.E. LIC. # 127763

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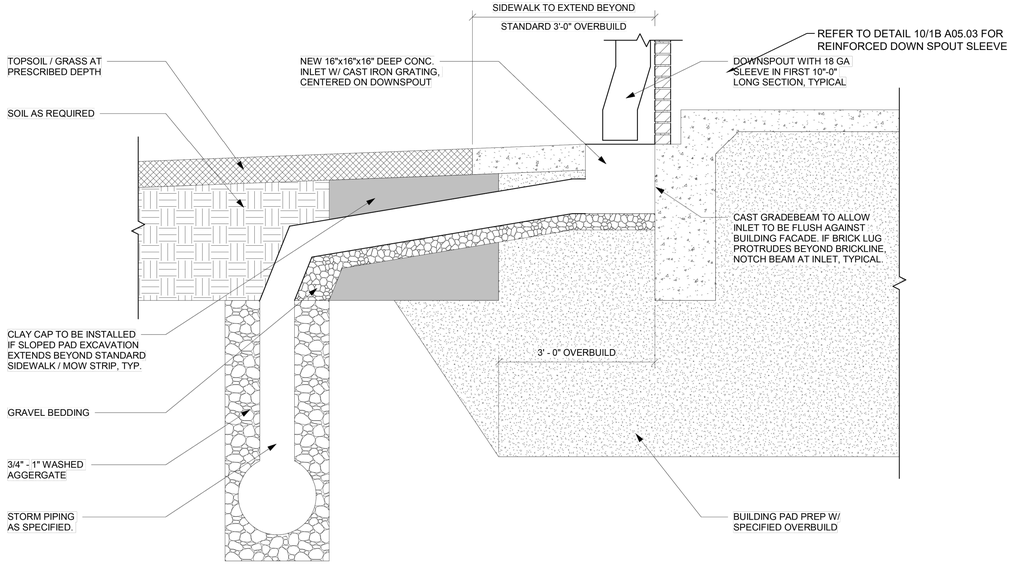
PROJECT NO.:	53112.009
ISSUED:	1/28/2026
DRAWN BY:	--
CHECKED BY:	--
SCALE:	N.T.S.

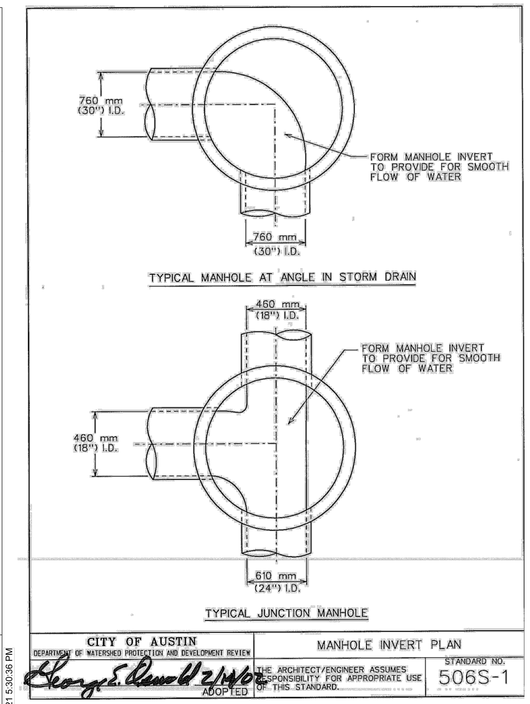
SHEET TITLE

STORM DRAIN DETAILS (1 OF 2)

FILE NAME: A:\53000s\53112\009\PW\CADD\Sheets\C-DTLS-53112.09.dwg DATE: January 28, 2026, TIME: 9:40 AM, USER: ah3305 AVO: 53112.002



1 Subsurface Water Migration Detail
Option A - Sidewalk Beyond Overbuild
3/4" = 1'-0"



CITY OF AUSTIN
DEPARTMENT OF WATERSHED PROTECTION AND DEVELOPMENT REVIEW
George E. Dowdy 2/19/02
ADOPTED

MANHOLE INVERT PLAN

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

STANDARD NO. 506S-1

AMERICAN CONSTRUCTORS
www.americanconstructors.com

Standard BIM Details & Sections Central Library

No.	Description	Date

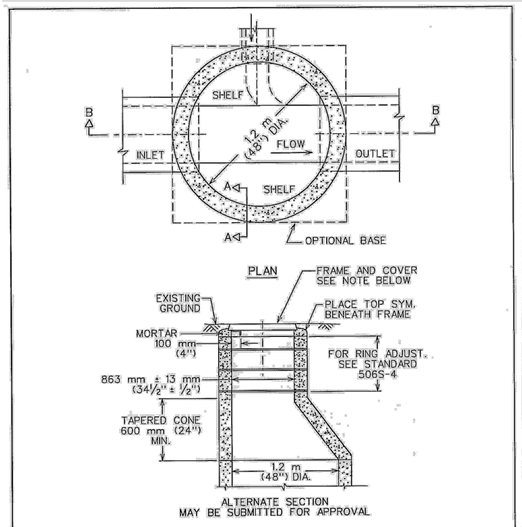
Subsurface Water Migration

Project number	Detail Library
Date	01/15/2021
Drawn by	CML
Checked by	JM

GC125A

Scale 3/4" = 1'-0"

1/14/2021 5:30:36 PM



NOTE:
USE 800 mm (32") FRAME AND COVER.

MINIMUM MANHOLE DIA.	MINIMUM PIPE SIZE
1.2 m (4')	450 TO 600 mm (18 TO 24")
1.5 m (5')	750 mm TO 1.1 m (30 TO 42")
1.8 m (6')	1.2 TO 1.4 m (48 TO 54")
2.1 m (7')	1.5 TO 1.7 m (60 TO 66")

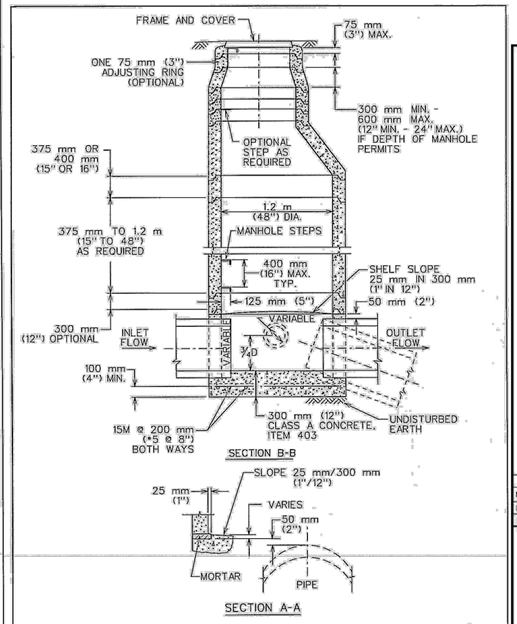
SIZE TO BE USED IS DEPENDENT ON DRAIN ANGLES.

CITY OF AUSTIN
DEPARTMENT OF WATERSHED PROTECTION AND DEVELOPMENT REVIEW
George E. Dowdy 2/19/02
ADOPTED

PRE-CAST CONCRETE STORM DRAIN MANHOLE

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

STANDARD NO. 506S-3
1 OF 2

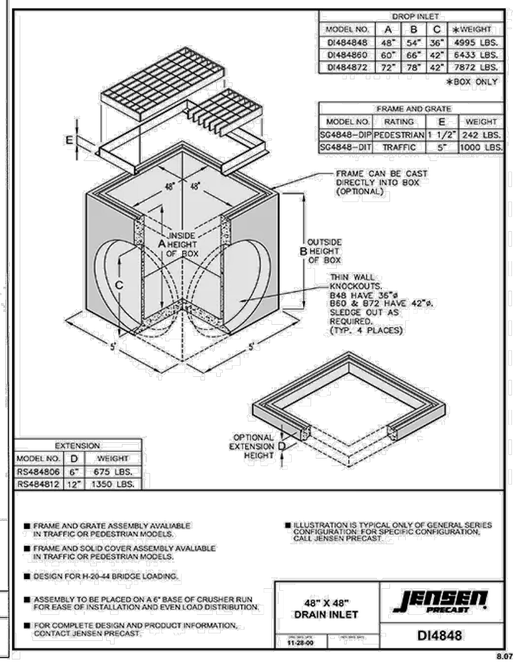


CITY OF AUSTIN
DEPARTMENT OF WATERSHED PROTECTION AND DEVELOPMENT REVIEW
George E. Dowdy 2/19/02
ADOPTED

PRE-CAST CONCRETE STORM DRAIN MANHOLE

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

STANDARD NO. 506S-3
2 OF 2



DROP INLET

MODEL NO.	A	B	C	★WEIGHT
DI484848	48"	54"	36"	4995 LBS.
DI484860	60"	66"	42"	6435 LBS.
DI484872	72"	78"	42"	7872 LBS.

★BOX ONLY

FRAME AND GRATE

MODEL NO.	RATING	E	WEIGHT
SG4848-DIP	PEDESTRIAN	1 1/2"	242 LBS.
SG4848-DIT	TRAFFIC	5"	1000 LBS.

EXTENSION

MODEL NO.	D	WEIGHT
RS484806	6"	675 LBS.
RS484812	12"	1350 LBS.

- FRAME AND GRATE ASSEMBLY AVALIABLE IN TRAFFIC OR PEDESTRIAN MODELS.
- FRAME AND SOLID COVER ASSEMBLY AVALIABLE IN TRAFFIC OR PEDESTRIAN MODELS.
- DESIGN FOR H-20-44 BRIDGE LOADING.
- ASSEMBLY TO BE PLACED ON A 6" BASE OF CRUSHER RUN FOR EASE OF INSTALLATION AND EVEN LOAD DISTRIBUTION.
- FOR COMPLETE DESIGN AND PRODUCT INFORMATION, CONTACT JENSEN PRECAST.
- ILLUSTRATION IS TYPICAL ONLY OF GENERAL SERIES CONFIGURATION. FOR SPECIFIC CONFIGURATION, CALL JENSEN PRECAST.

48" X 48" DRAIN INLET

JENSEN PRECAST

DI4848

11-28-00

8.07

LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
LEANDER TEXAS
SD- - ___

LEANDER I.S.D.
204 W. SOUTH ST.
LEANDER TEXAS

halff
13620 BRIARWICK DR., SUITE 100
AUSTIN, TEXAS 78729
TEL: (512) 777-4600

REVISION NO.	DATE	DESCRIPTION

STATE OF TEXAS
ZHIPENG XING, P.E.
127763
LICENSED PROFESSIONAL ENGINEER
1/28/2026

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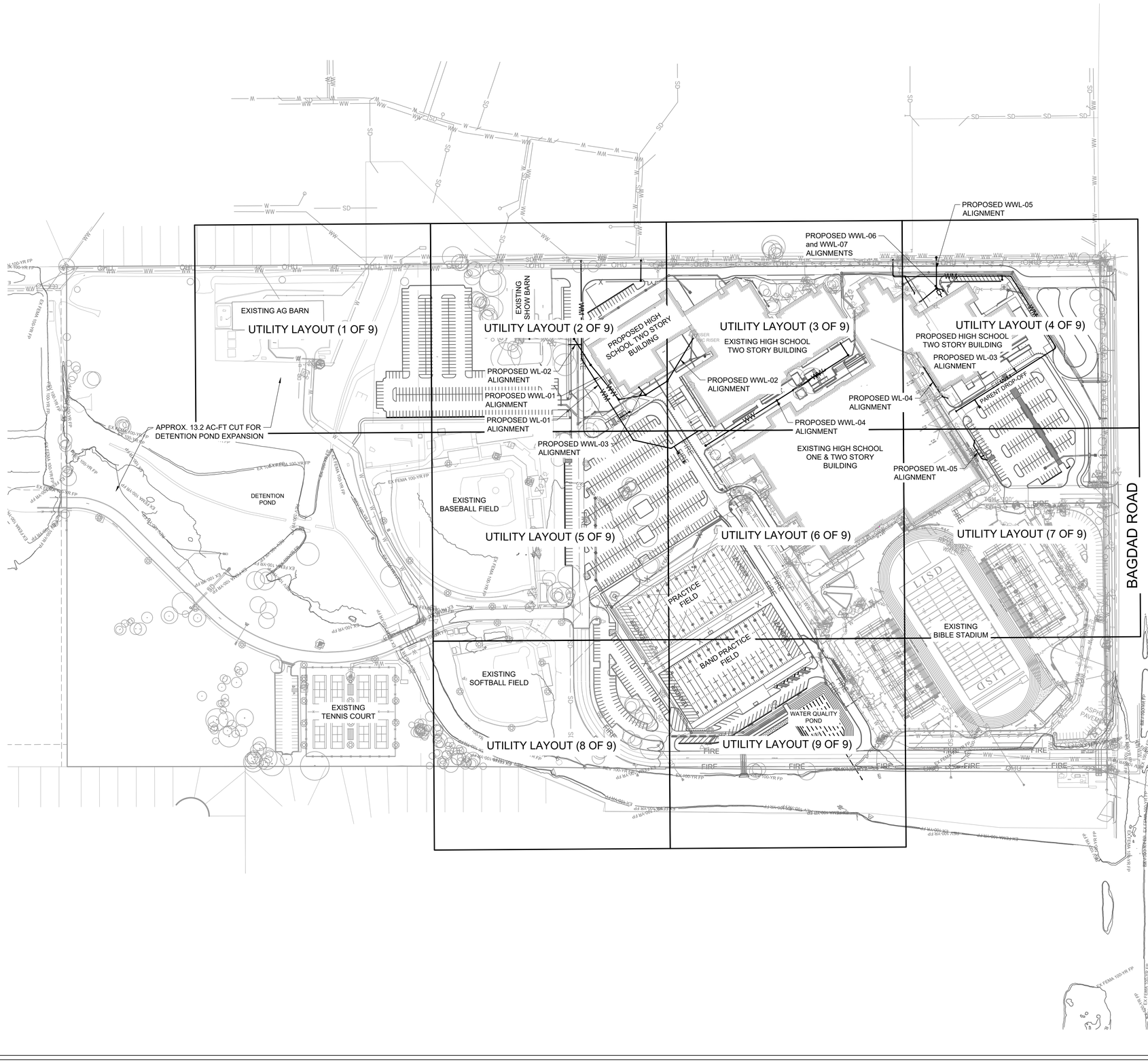
PROJECT NO.:	53112.009
ISSUED:	1/28/2026
DRAWN BY:	--
CHECKED BY:	--
SCALE:	N.T.S.

SHEET TITLE

STORM DRAIN DETAILS (2 OF 2)

72 OF 104

FILE NAME: A:\53000s\53112009\PW\CADD\Sheets\C-DTLS-DTLS-53112.09.dwg DATE: January 28, 2026, TIME: 9:40 AM, USER: ah3305 AVO: 53112.002



LEGEND

- WM — PROPOSED WATER
- WW — PROPOSED WASTEWATER
- PROPOSED STORM
- W — EXISTING WATER
- WW — EXISTING WASTEWATER
- SD — EXISTING STORM
- EXISTING ELECTRIC & COMMUNICATION
- EXISTING GAS

NOTES:

1. WATER PIPE MATERIAL SHALL BE C-900, CLASS 200 (DR-14) WITH 12 INCH TRACER TAPE PLACED ON TOP OF BEDDING. WATER SERVICE 2" OR LESS SHALL BE POLYETHYLENE TUBING (BLACK, 200 PSI, DR9). 6" FIRE HYDRANT LEADS AND FIRE LINES SHALL BE D.I. PIPE CLASS 350. ALL JOINTS SHALL BE FLANGED OR RESTRAINED BETWEEN THE TEE AND THE FIRE HYDRANT. TEES TO FIRE HYDRANT BRANCHES SHALL BE SWIVEL TEES.
2. CONTRACTOR TO VERIFY EXISTING HORIZONTAL AND VERTICAL UTILITY CONNECTION POINT PRIOR TO CONSTRUCTION.
3. WASTEWATER PIPE SHALL BE PVC SDR-26 CLASS 1. ASTM D 2241.
4. AT WATER AND WASTEWATER CROSSINGS, WITH WASTEWATER CROSING UNDER WATER, MINIMUM SEPARATION DISTANCE SHALL BE 18". ONE FULL JOINT OF 150 PSI PRESSURE RATED SDR-26 PVC WASTEWATER PIPE MUST BE CENTERED AT CROSSING.
5. PER TCEQ REGULATIONS, MINIMUM SEPARATION DISTANCE BETWEEN WASTEWATER PIPE AND WATER PIPE SHALL BE 9 FEET MEASURED FROM OUTER EDGES OF PIPE AND APPURTENANCES. CONTRACTOR SHALL ENSURE THESE REGULATIONS ARE MET WHEN INSTALLING WET UTILITIES. WHEN THIS SEPARATION CANNOT BE MET DUE TO CONNECTION INTO EXISTING PIPES, ALL PORTIONS OF WASTEWATER PIPE AND MANHOLES WITHIN 9 FEET OF WATERLINE SHALL BE ENCASED IN CEMENT STABILIZED SAND, 160 LB OF CEMENT PER CY OF SAND. WASTEWATER PIPE SHALL BE 150 PSI PRESSURE RATED SDR-26 PVC PIPE.
6. AT WATER AND WASTEWATER CROSSINGS WITH WASTEWATER CROSSING OVER WATER OR LESS THAN 18" BELOW WATER, ALL PORTIONS OF THE WASTEWATER PIPE WITHIN NINE FEET OF THE WATERLINE SHALL BE CONSTRUCTED OF 150 PSI PRESSURE RATED SDR-26 PVC WASTEWATER PIPE AND ENCASED IN CEMENT STABILIZED SAND, 160 LB OF CEMENT PER CY OF SAND. CLEANOUTS SHALL BE POSITIONED ACCORDINGLY OUTSIDE OF THE ENCASEMENT TO MAINTAIN A MINIMUM DISTANCE OF 75-FOOT SPACING.
7. ALL MANHOLES SHALL BE VACUUM TESTED PRIOR TO BACKFILLING.
8. THIS PLAN SHEET GOVERNS FOR THE TECHNICAL DESIGN AND LAYOUT OF THE WASTEWATER SYSTEM. THE SPECIFICATIONS AND NOTES SHEET 2 SUPERSEDE FOR ANY REQUIRED CONSTRUCTION TYPE OR METHOD. ANY CONFLICT MUST BE CLEARED PRIOR TO CONSTRUCTION THROUGH RFI'S WITH THE ENGINEER.
9. ALL WASTEWATER LINE TO BE LEAKAGE TESTED AND CONFORM TO TCEQ REQUIREMENTS. LOW PRESSURE AIR TEST TO BE PROVIDED.
10. ALL WATER FITTINGS SHALL BE DUCTILE IRON MECHANICAL JOINTS.
11. ALL NEWLY INSTALLED WATER PIPES, HORIZONTAL AND VERTICAL BENDS SHALL BE MECHANICALLY RESTRAINED. (MEGALUG OR APPROVED EQUAL. AWU SPL WW27-A).
12. ALL WASTEWATER MANHOLES SHALL BE COATED. SEE UTILITY DETAIL SHEET.
13. ALL WATER AND WASTEWATER LINES THAT GO UNDER 24 INCH OR LARGER RCP SHALL HAVE ON FULL JOING OF PIPE CENTERED ON RCP
14. CENTERLINE OF FIRE HYDRANTS SHALL BE LOCATED THREE TO SIX FEET BEHIND BACK OF CURB IF HYDRANT IS NEAR A SIDEWALK. OTHERWISE, CENTERLINE OF HYDRANTS SHALL BE THREE FEET BEHIND BACK OF CURB.
15. WATER AND WASTEWATER SERVICE WILL BE PROVIDED BY THE CITY OF LEANDER.
16. REFERENCE GENERAL NOTES SHEET 2 FOR REMAINING WATER AND WASTEWATER NOTES.

811 Know what's below. Call before you dig.

THE INFORMATION SHOWN ON THESE DRAWINGS INDICATING SIZE, TYPE AND LOCATION OF UNDERGROUND, SURFACE, AND AERIAL UTILITIES IS NOT GUARANTEED TO BE EXACT OR COMPLETE. THE CONTRACTOR SHALL CONTACT THE CITY OF LEANDER AREA "ONE CALL" SYSTEM AT 1-800-344-8377 (DIG TESS) 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION FOR EXISTING UTILITY LOCATIONS. THE CONTRACTOR SHALL ALSO BE FULLY RESPONSIBLE FOR FIELD VERIFYING LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES AFFECTED BY CONSTRUCTION FOR THIS PROJECT IN ORDER TO AVOID DAMAGING THOSE UTILITIES, AND SHALL IMMEDIATELY ARRANGE FOR REPAIR AND RESTORATION OF CONTRACTOR-DAMAGED UTILITIES TO THE UTILITY COMPANY'S APPROVAL AT THE EXPENSE OF THE CONTRACTOR.

LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
LEANDER TEXAS
SD- -

LEANDER I.S.D.
204 W. SOUTH ST.
LEANDER TEXAS

halff
13620 BRAIRWICK DR. SUITE 100
AUSTIN, TEXAS 78729
TEL: (512) 777-4800

REVISION NO.	DATE	DESCRIPTION

STATE OF TEXAS
ZHIPENG XING, P.E.
127763
LICENSED PROFESSIONAL ENGINEER
1/28/2026

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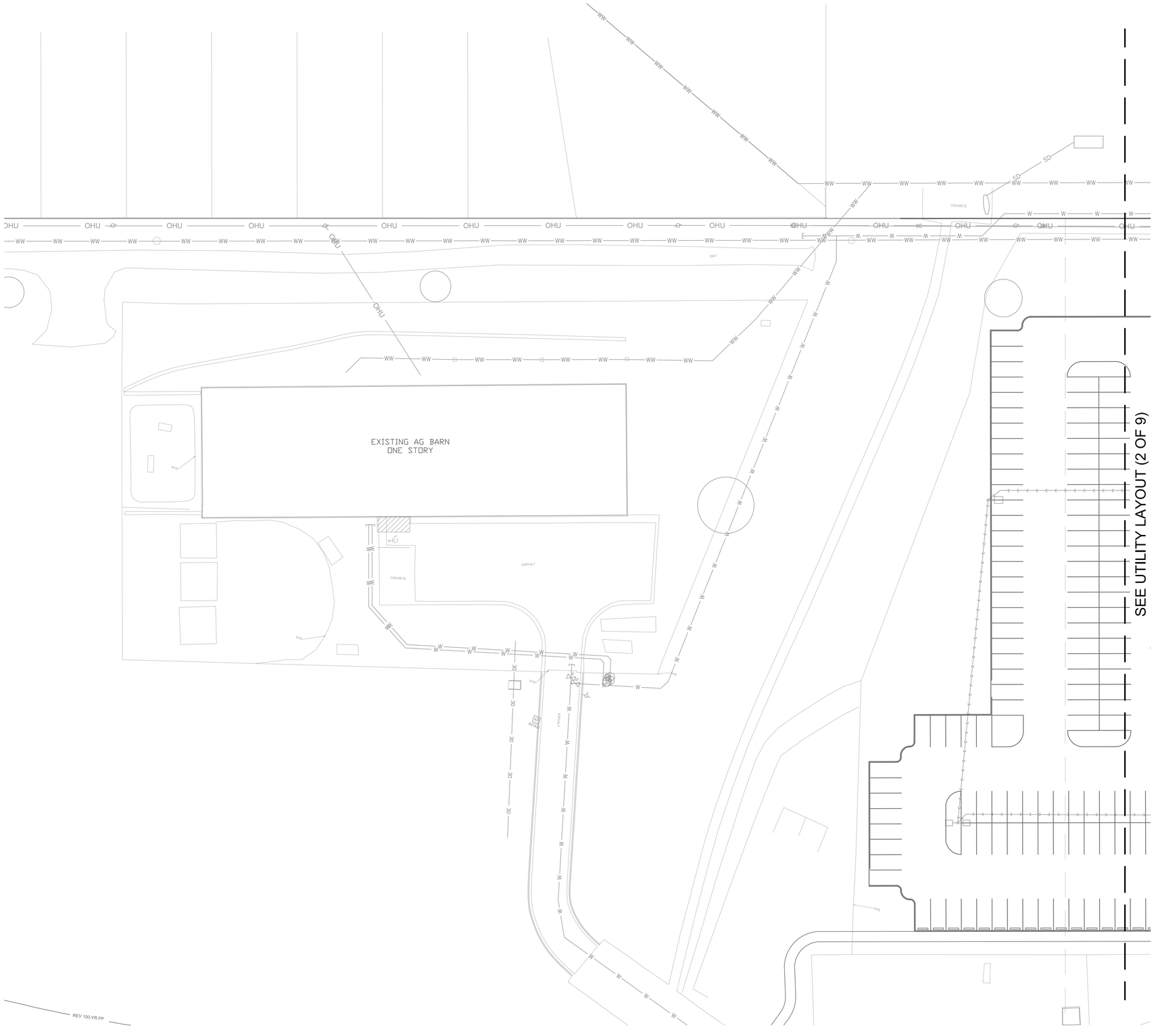
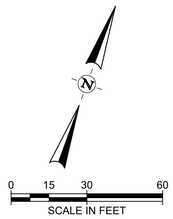
PROJECT NO.:	53112.009
ISSUED:	1/28/2026
DRAWN BY:	--
CHECKED BY:	--
SCALE:	1" = 140'

SHEET TITLE

OVERALL UTILITY LAYOUT

FILE NAME: A:\53000s\53112\009\PW\CADD\Sheets\C-OVER-PUTL-53112.09.dwg DATE: January 28, 2026, TIME: 9:41 AM, USER: ah3305 AVO: 53112.002





LEGEND

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NOTES:

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5. PER TCEQ REGULATIONS, MINIMUM SEPARATION DISTANCE BETWEEN WASTEWATER PIPE AND WATER PIPE SHALL BE 9 FEET MEASURED FROM OUTER EDGES OF PIPE AND APPURTENANCES. CONTRACTOR SHALL ENSURE THESE REGULATIONS ARE MET WHEN INSTALLING WET UTILITIES. WHEN THIS SEPARATION CANNOT BE MET DUE TO CONNECTION INTO EXISTING PIPES, ALL PORTIONS OF WASTEWATER PIPE AND MANHOLES WITHIN 9 FEET OF WATERLINE SHALL BE ENCASED IN CEMENT STABILIZED SAND, 160 LB OF CEMENT PER CY OF SAND. WASTEWATER PIPE SHALL BE 150 PSI PRESSURE RATED SDR-26 PVC PIPE.
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7. ALL MANHOLES SHALL BE VACUUM TESTED PRIOR TO BACKFILLING.
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REVISION NO.	DATE	DESCRIPTION

STATE OF TEXAS
ZHIPENG XING, P.E.
127763
LICENSED PROFESSIONAL ENGINEER
1/28/2026

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SCALE:	1" = 30'

SHEET TITLE

UTILITY LAYOUT
(1 OF 9)

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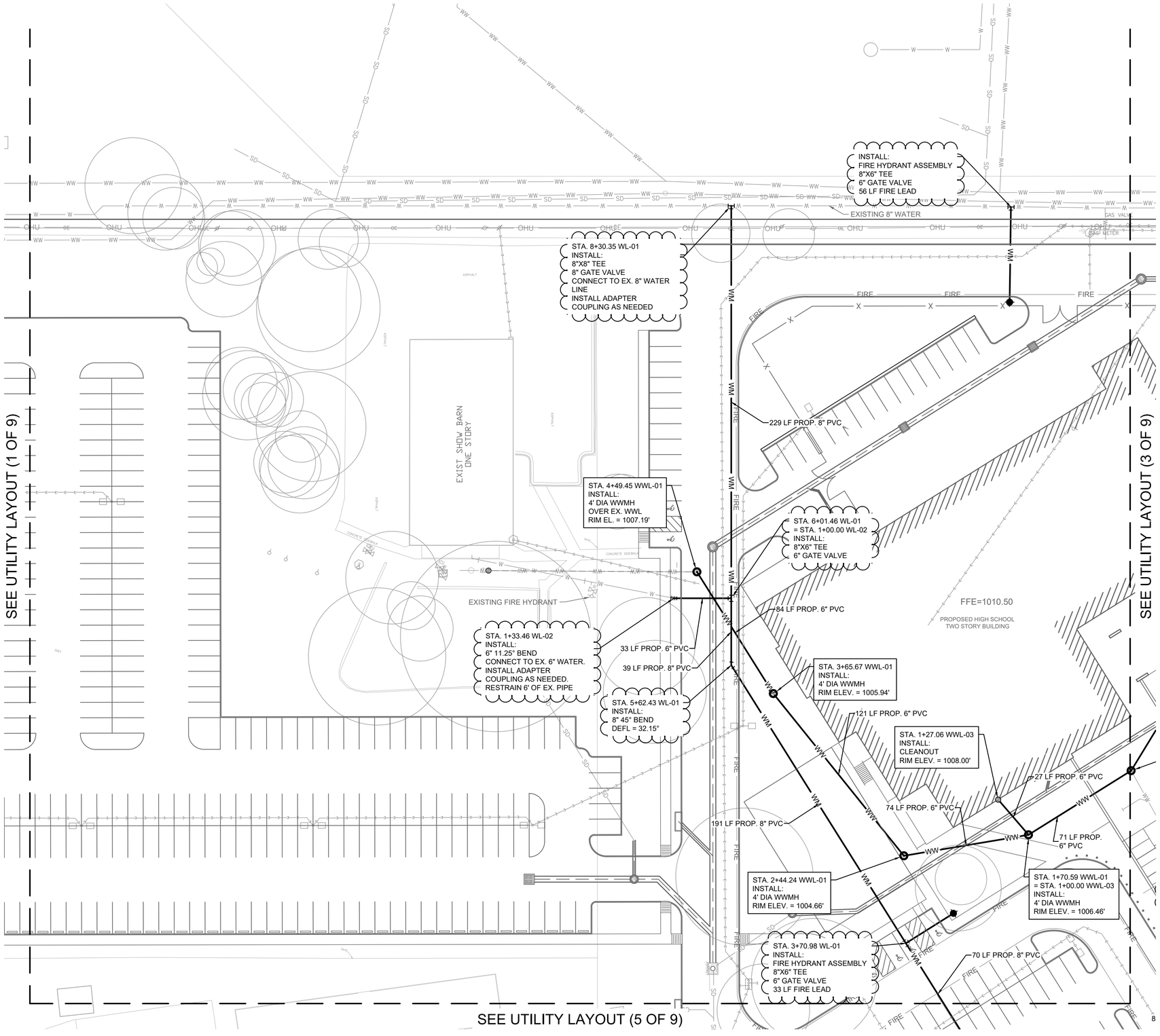

0 15 30 60
SCALE IN FEET

LEGEND

- PROPOSED WATER
- PROPOSED WASTEWATER
- PROPOSED STORM
- EXISTING WATER
- EXISTING WASTEWATER
- EXISTING STORM
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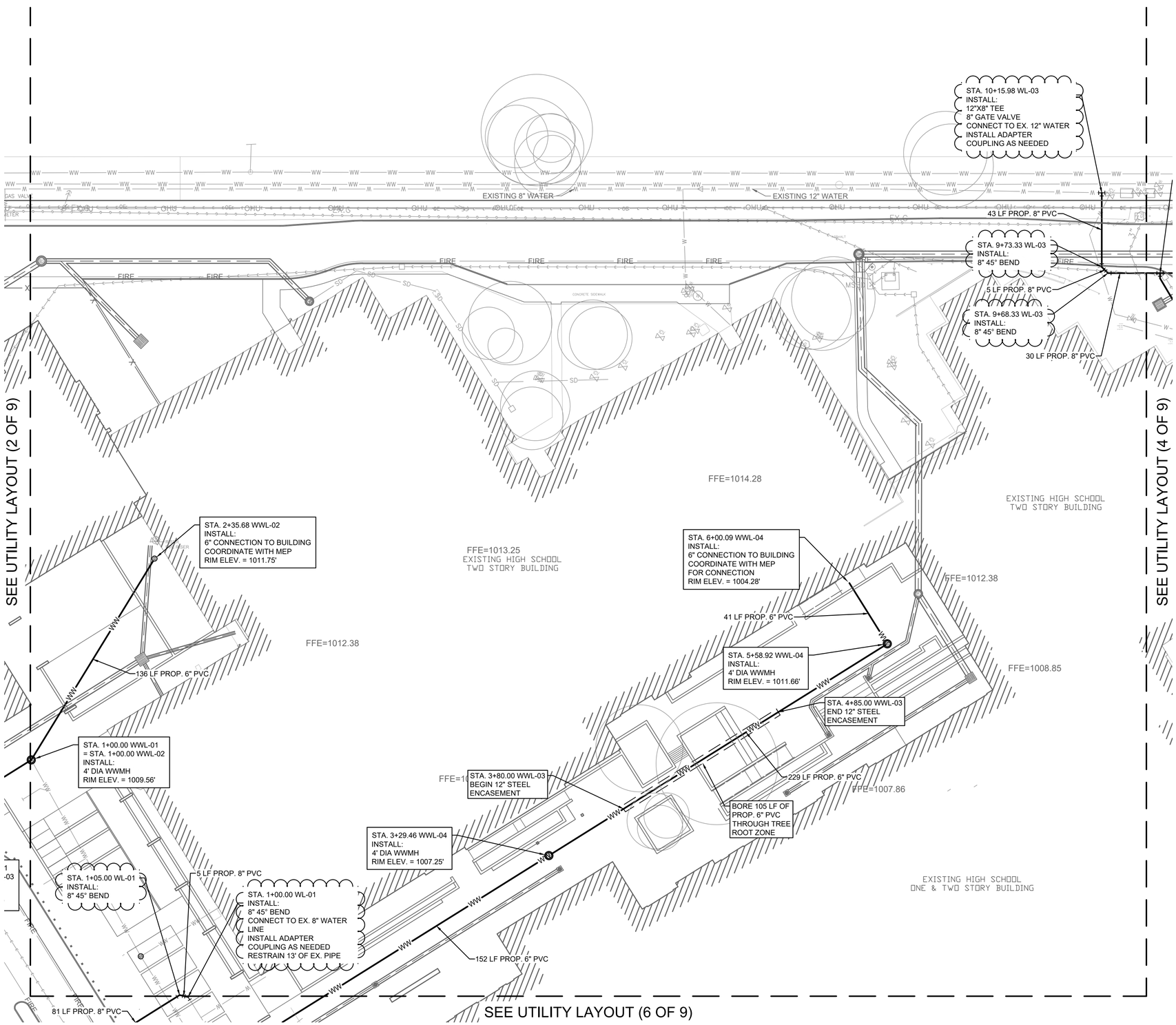

0 15 30 60
SCALE IN FEET

LEGEND

- PROPOSED WATER
- PROPOSED WASTEWATER
- PROPOSED STORM
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- EXISTING WASTEWATER
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UTILITY LAYOUT
(3 OF 9)

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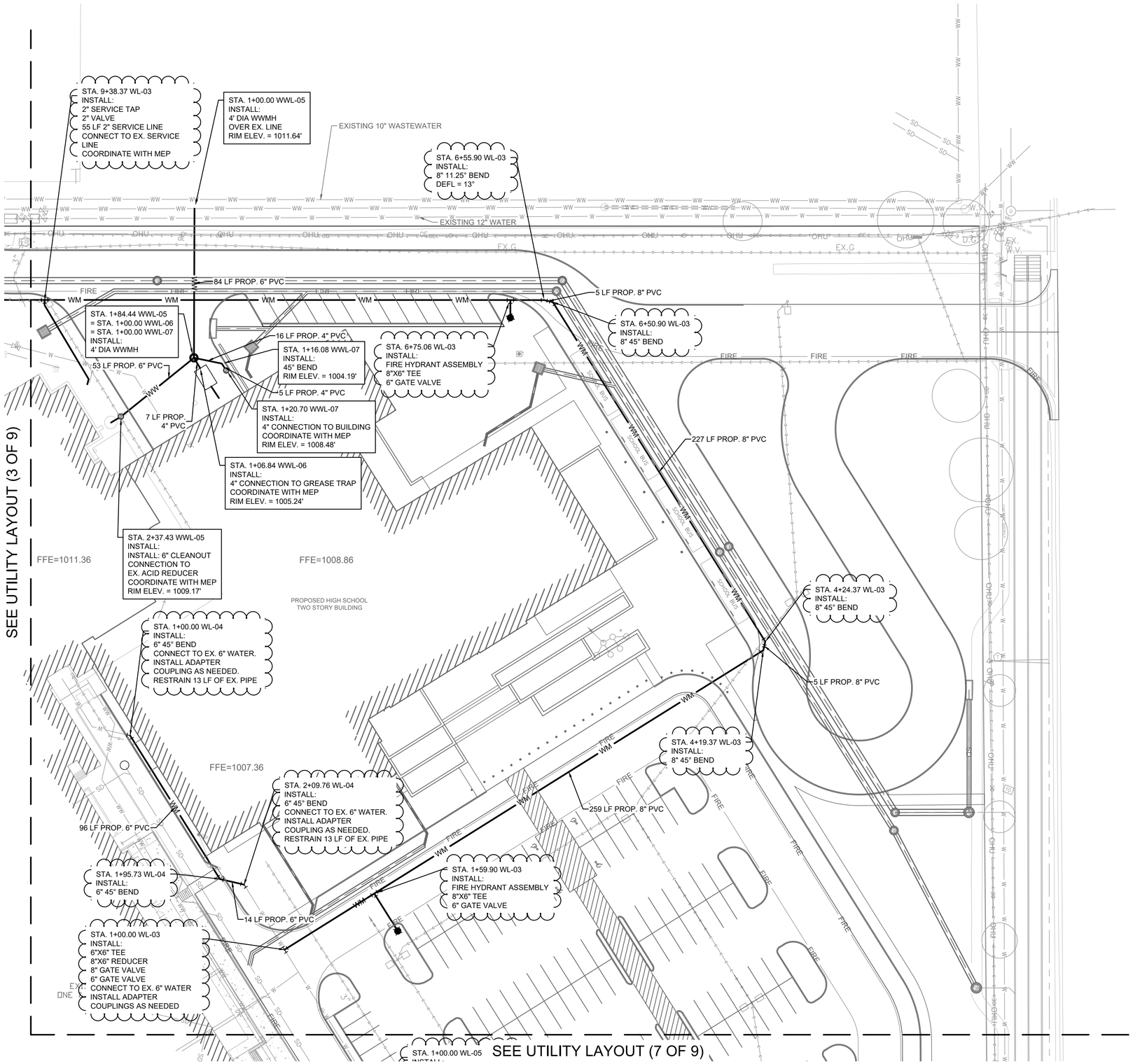

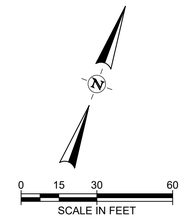

LEGEND

- PROPOSED WATER
- PROPOSED WASTEWATER
- PROPOSED STORM
- EXISTING WATER
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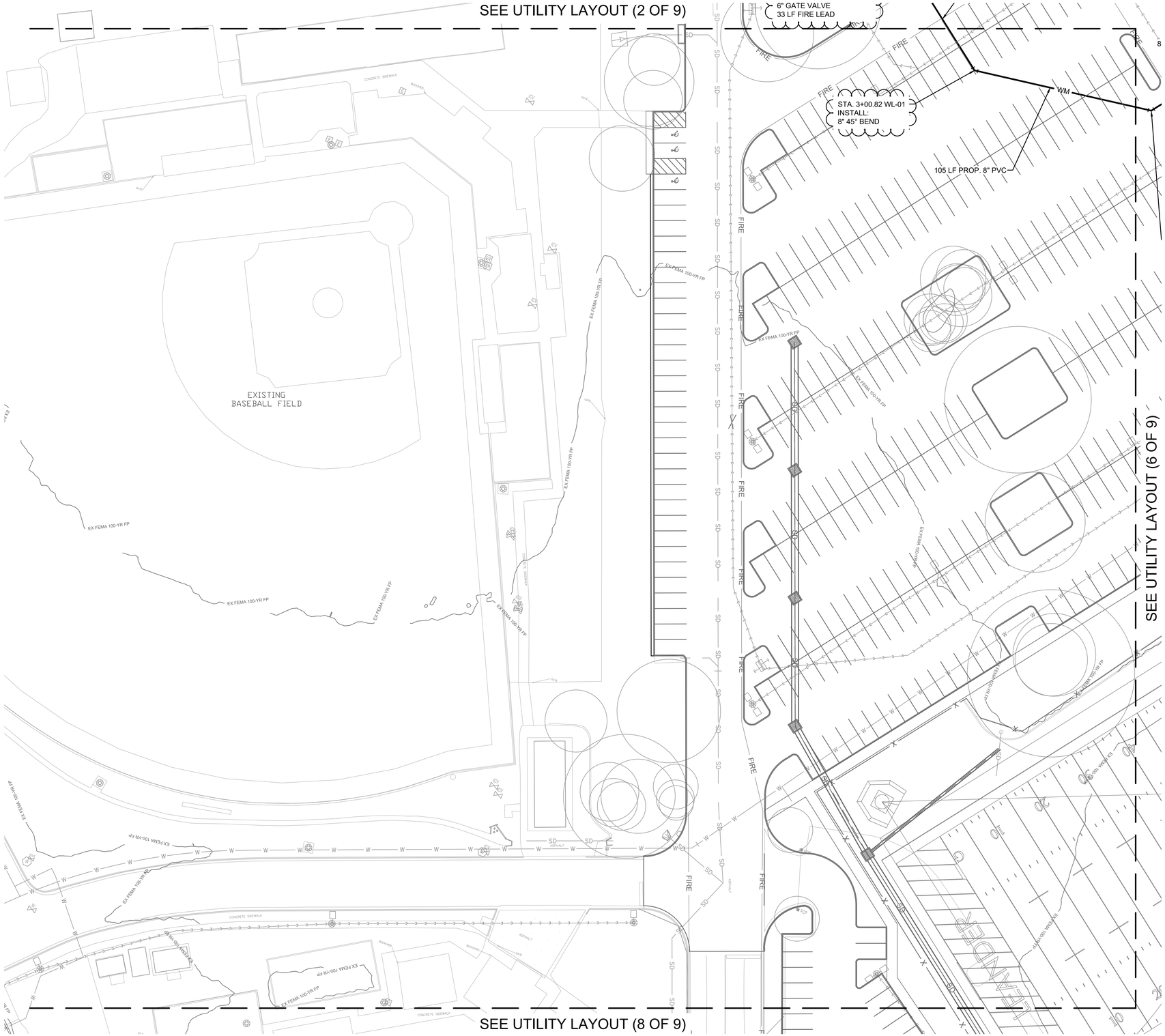

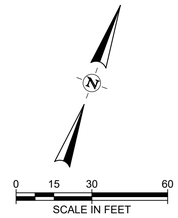

LEGEND

- WM — PROPOSED WATER
- WW — PROPOSED WASTEWATER
- PROPOSED STORM
- W — W — EXISTING WATER
- WW — WW — EXISTING WASTEWATER
- SD — SD — EXISTING STORM
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5. PER TCEQ REGULATIONS, MINIMUM SEPARATION DISTANCE BETWEEN WASTEWATER PIPE AND WATER PIPE SHALL BE 9 FEET MEASURED FROM OUTER EDGES OF PIPE AND APPURTENANCES. CONTRACTOR SHALL ENSURE THESE REGULATIONS ARE MET WHEN INSTALLING WET UTILITIES. WHEN THIS SEPARATION CANNOT BE MET DUE TO CONNECTION INTO EXISTING PIPES, ALL PORTIONS OF WASTEWATER PIPE AND MANHOLES WITHIN 9 FEET OF WATERLINE SHALL BE ENCASED IN CEMENT STABILIZED SAND, 160 LB OF CEMENT PER CY OF SAND. WASTEWATER PIPE SHALL BE 150 PSI PRESSURE RATED SDR-26 PVC PIPE.
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7. ALL MANHOLES SHALL BE VACUUM TESTED PRIOR TO BACKFILLING.
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REVISION NO.	DATE	DESCRIPTION

STATE OF TEXAS
ZHIPENG XING, P.E.
127763
LICENSED PROFESSIONAL ENGINEER
1/28/2026

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SHEET TITLE

UTILITY LAYOUT
(5 OF 9)

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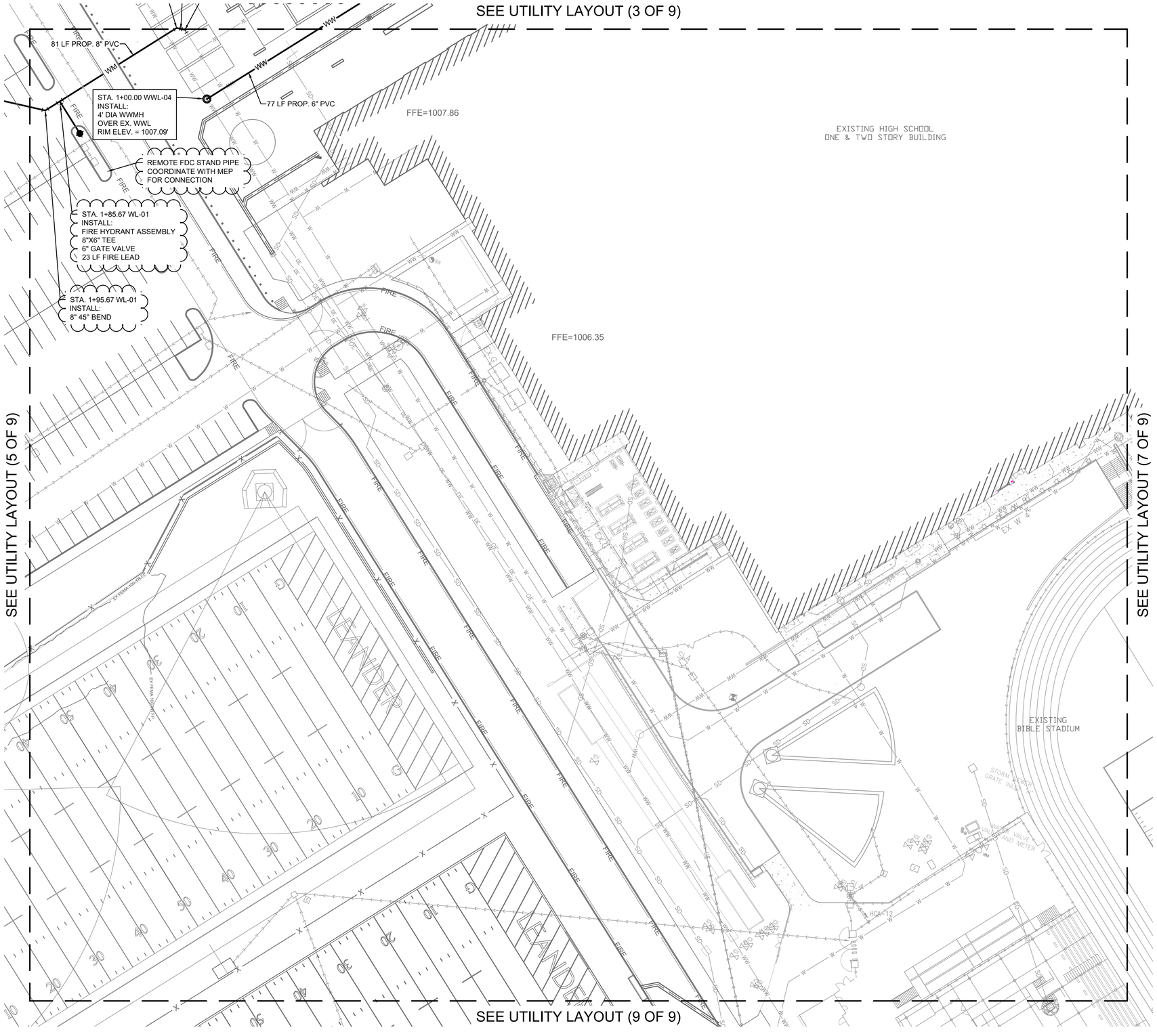

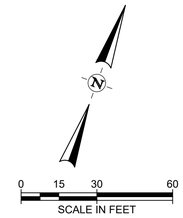

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LICENSED
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(6 OF 9)

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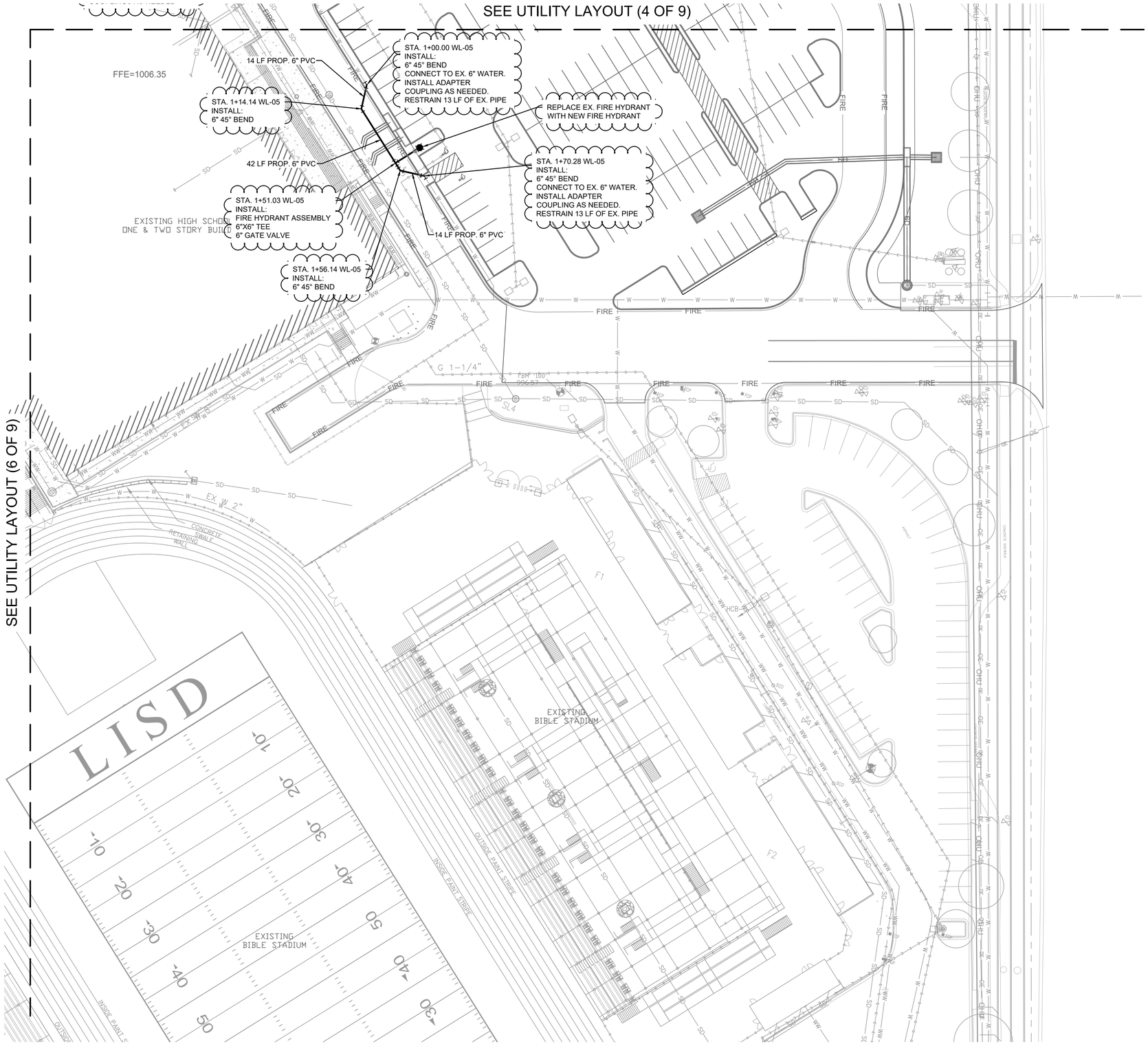

0 15 30 60
SCALE IN FEET

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(7 OF 9)

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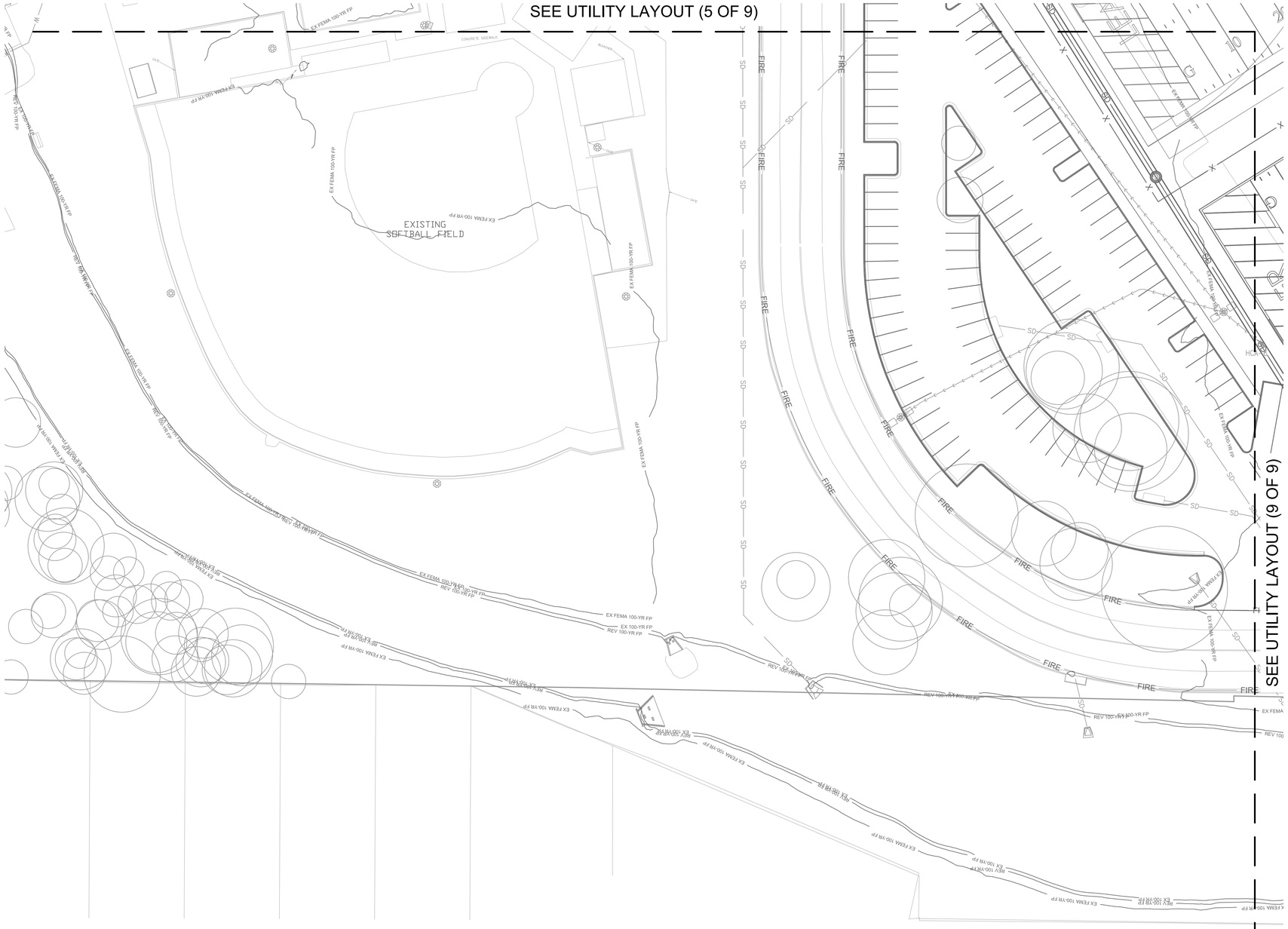

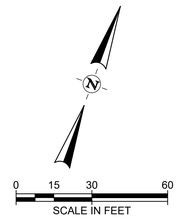

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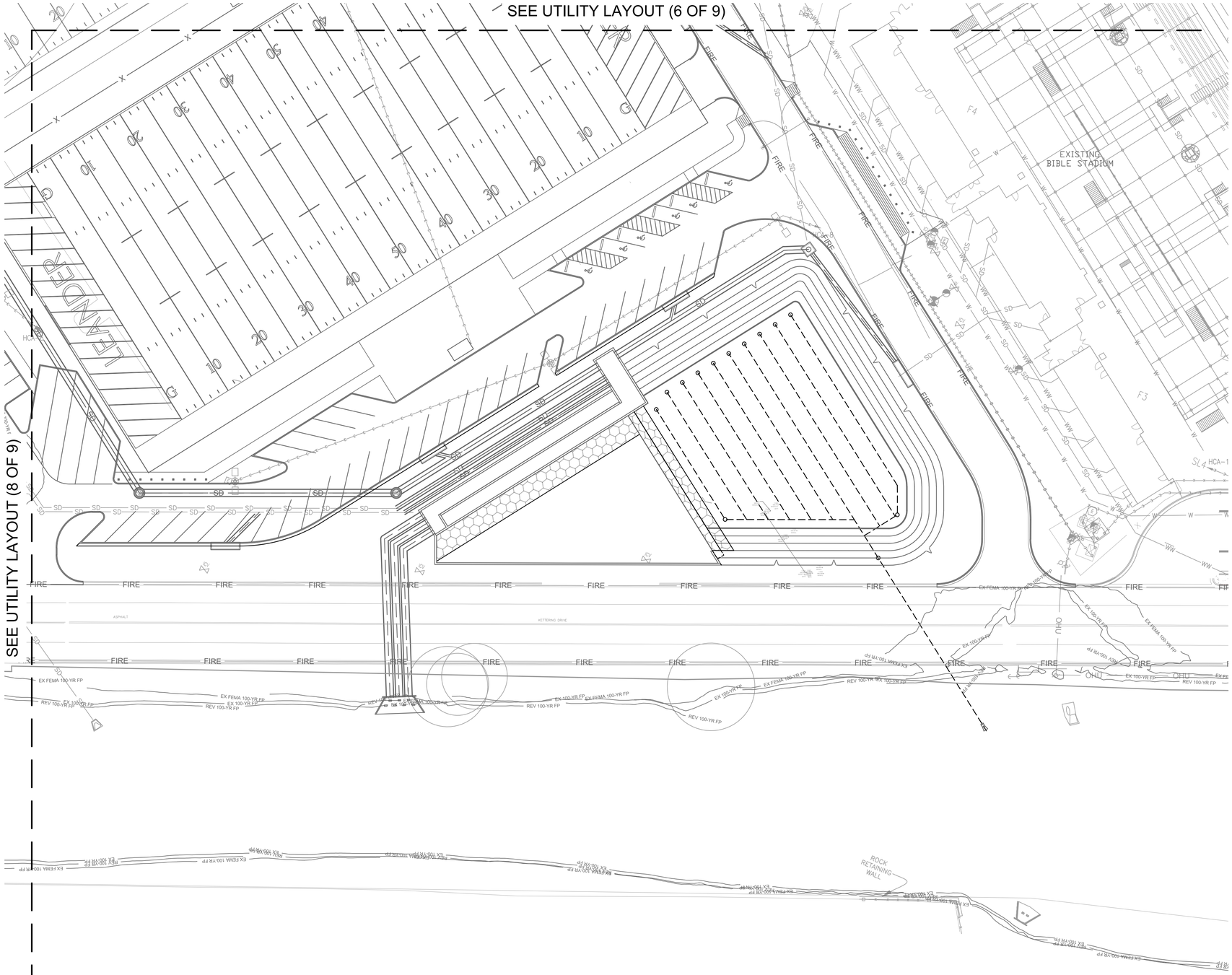

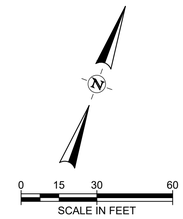

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2. CONTRACTOR TO VERIFY EXISTING HORIZONTAL AND VERTICAL UTILITY CONNECTION POINT PRIOR TO CONSTRUCTION.
3. WASTEWATER PIPE SHALL BE PVC SDR-26 CLASS 1. ASTM D 2241.
4. AT WATER AND WASTEWATER CROSSINGS, WITH WASTEWATER CROSING UNDER WATER, MINIMUM SEPARATION DISTANCE SHALL BE 18". ONE FULL JOINT OF 150 PSI PRESSURE RATED SDR-26 PVC WASTEWATER PIPE MUST BE CENTERED AT CROSSING.
5. PER TCEQ REGULATIONS, MINIMUM SEPARATION DISTANCE BETWEEN WASTEWATER PIPE AND WATER PIPE SHALL BE 9 FEET MEASURED FROM OUTER EDGES OF PIPE AND APPURTENANCES. CONTRACTOR SHALL ENSURE THESE REGULATIONS ARE MET WHEN INSTALLING WET UTILITIES. WHEN THIS SEPARATION CANNOT BE MET DUE TO CONNECTION INTO EXISTING PIPES, ALL PORTIONS OF WASTEWATER PIPE AND MANHOLES WITHIN 9 FEET OF WATERLINE SHALL BE ENCASED IN CEMENT STABILIZED SAND, 160 LB OF CEMENT PER CY OF SAND. WASTEWATER PIPE SHALL BE 150 PSI PRESSURE RATED SDR-26 PVC PIPE.
6. AT WATER AND WASTEWATER CROSSINGS WITH WASTEWATER CROSSING OVER WATER OR LESS THAN 18" BELOW WATER, ALL PORTIONS OF THE WASTEWATER PIPE WITHIN NINE FEET OF THE WATERLINE SHALL BE CONSTRUCTED OF 150 PSI PRESSURE RATED SDR-26 PVC WASTEWATER PIPE AND ENCASED IN CEMENT STABILIZED SAND, 160 LB OF CEMENT PER CY OF SAND. CLEANOUTS SHALL BE POSITIONED ACCORDINGLY OUTSIDE OF THE ENCASEMENT TO MAINTAIN A MINIMUM DISTANCE OF 75-FOOT SPACING.
7. ALL MANHOLES SHALL BE VACUUM TESTED PRIOR TO BACKFILLING.
8. THIS PLAN SHEET GOVERNS FOR THE TECHNICAL DESIGN AND LAYOUT OF THE WASTEWATER SYSTEM. THE SPECIFICATIONS AND NOTES SHEET 2 SUPERSEDE FOR ANY REQUIRED CONSTRUCTION TYPE OR METHOD. ANY CONFLICT MUST BE CLEARED PRIOR TO CONSTRUCTION THROUGH RFI'S WITH THE ENGINEER.
9. ALL WASTEWATER LINE TO BE LEAKAGE TESTED AND CONFORM TO TCEQ REQUIREMENTS. LOW PRESSURE AIR TEST TO BE PROVIDED.
10. ALL WATER FITTINGS SHALL BE DUCTILE IRON MECHANICAL JOINTS.
11. ALL NEWLY INSTALLED WATER PIPES, HORIZONTAL AND VERTICAL BENDS SHALL BE MECHANICALLY RESTRAINED. (MEGALUG OR APPROVED EQUAL. AWU SPL WW27-A).
12. ALL WASTEWATER MANHOLES SHALL BE COATED. SEE UTILITY DETAIL SHEET.
13. ALL WATER AND WASTEWATER LINES THAT GO UNDER 24 INCH OR LARGER RCP SHALL HAVE ON FULL JOING OF PIPE CENTERED ON RCP
14. CENTERLINE OF FIRE HYDRANTS SHALL BE LOCATED THREE TO SIX FEET BEHIND BACK OF CURB IF HYDRANT IS NEAR A SIDEWALK. OTHERWISE, CENTERLINE OF HYDRANTS SHALL BE THREE FEET BEHIND BACK OF CURB.
15. WATER AND WASTEWATER SERVICE WILL BE PROVIDED BY THE CITY OF LEANDER.
16. REFERENCE GENERAL NOTES SHEET 2 FOR REMAINING WATER AND WASTEWATER NOTES.

811 Know what's **below.** **Call** before you dig.

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LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
LEANDER TEXAS
SD-25-0414

LEANDER I.S.D.
204 W. SOUTH ST.
LEANDER TEXAS

halff
13620 BRAKWICK DR., SUITE 100
AUSTIN, TEXAS 78729
TEL: (512) 777-4800

REVISION NO.	DATE	DESCRIPTION

STATE OF TEXAS
ZHIPENG XING, P.E.
127763
LICENSED
PROFESSIONAL ENGINEER
1/28/2026

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY ZHIPENG XING, P.E. LIC. # 127763

I CERTIFY THAT THESE DRAWINGS ARE COMPLETE, ACCURATE AND ADEQUATE FOR THEIR INTENDED PURPOSES, INCLUDING CONSTRUCTION, BUT ARE NOT AUTHORIZED FOR CONSTRUCTION UNTIL FORMAL CITY APPROVAL.

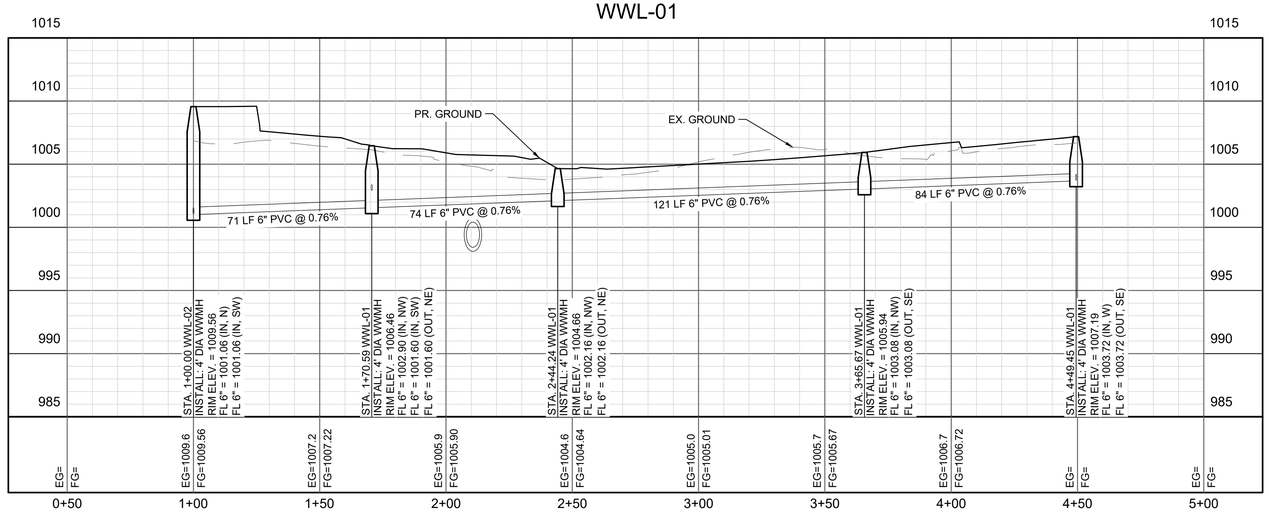
PROJECT NO.:	53112.009
ISSUED:	1/28/2026
DRAWN BY:	--
CHECKED BY:	--
SCALE:	1" = 30'

SHEET TITLE

UTILITY LAYOUT
(9 OF 9)

FILE NAME: A:\53000s\53112\009\PW\CADD\Sheets\C-PLAN-PUTL-53112.09.dwg DATE: January 28, 2026, TIME: 3:07 PM, USER: ah3305 AYO: 53112.002

WWL-01



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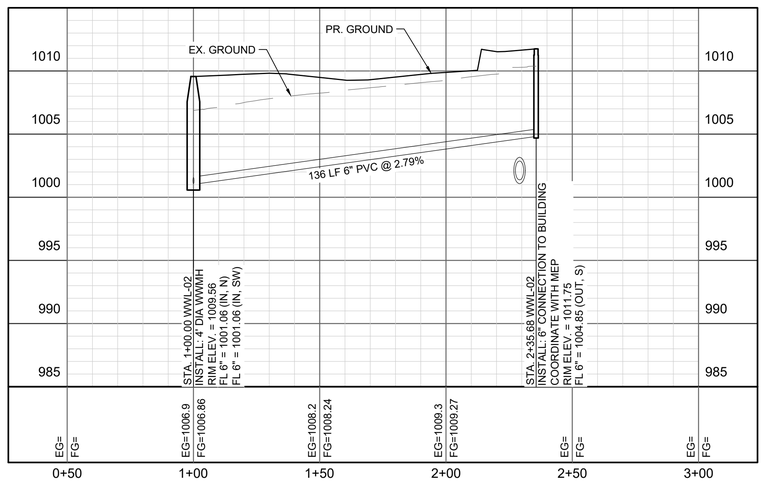

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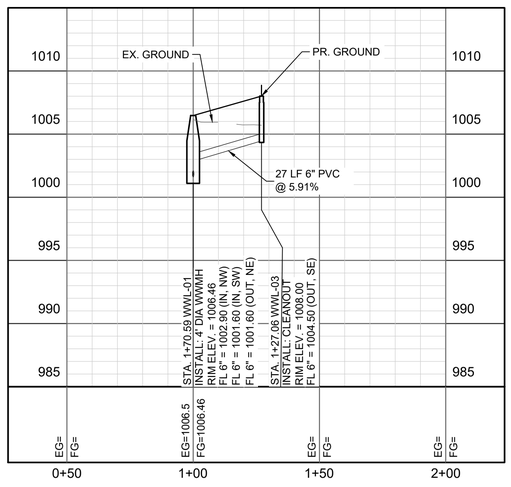

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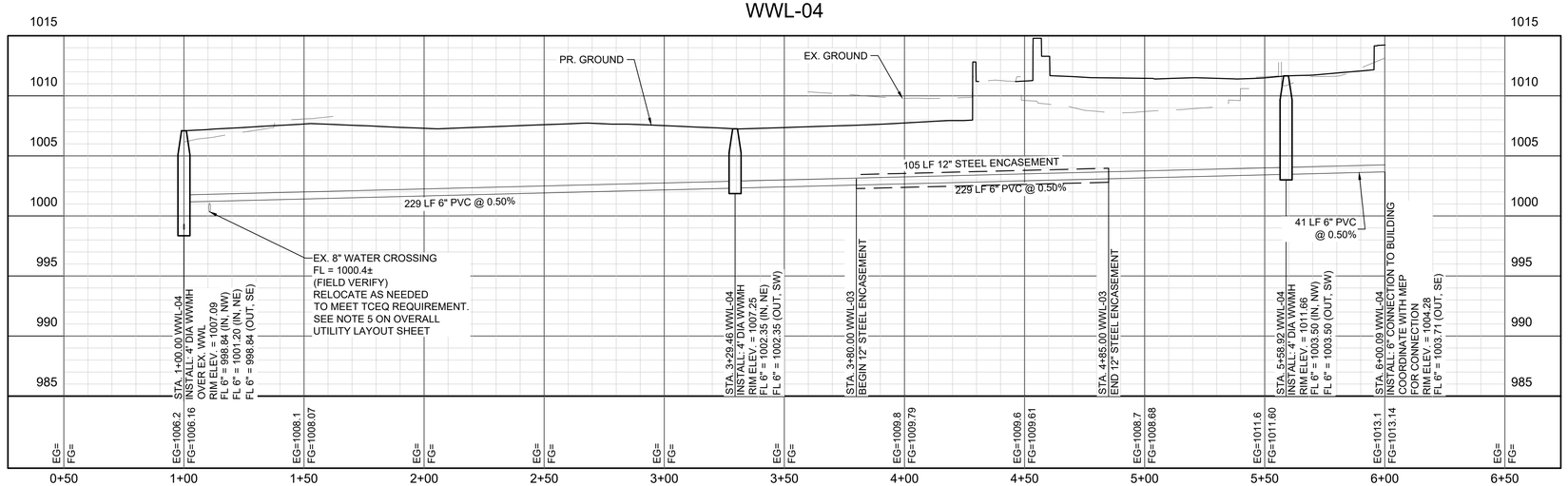

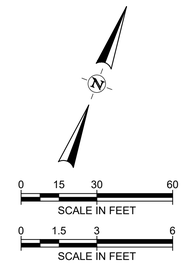

LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
LEANDER TEXAS
SD-25-0414

LEANDER I.S.D.
204 W. SOUTH ST.
LEANDER TEXAS

halff
13620 BRIARWICK DR. SUITE 100
AUSTIN, TEXAS 78729
TEL: (512) 777-4600

REVISION NO.	DATE	DESCRIPTION

STATE OF TEXAS
ZHIPENG XING, P.E.
127763
LICENSED PROFESSIONAL ENGINEER
1/28/2026

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PROJECT NO.:	53112.009
ISSUED:	1/28/2026
DRAWN BY:	--
CHECKED BY:	--
SCALE:	1" = ###

SHEET TITLE

WASTEWATER PROFILES (1 OF 2)

811 Know what's **below.** **Call** before you dig.

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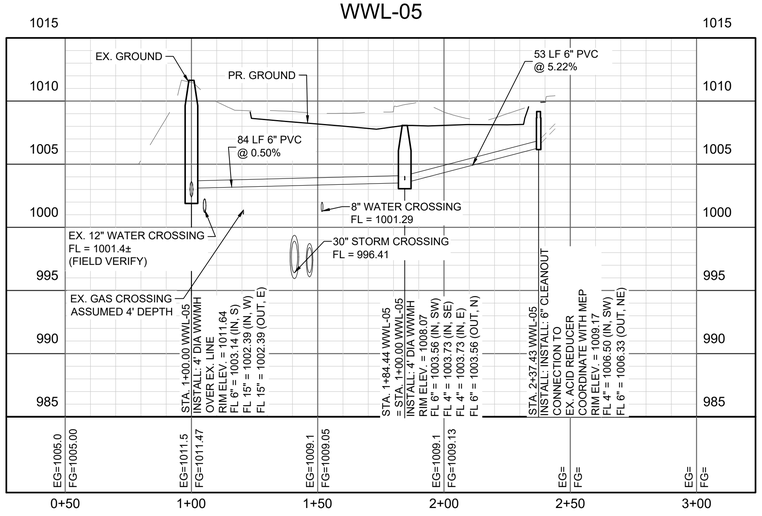
FILE NAME: A:\53000s\53112\009\PWCADDSheets\C-PROF-PUTL-53112.09.dwg DATE: January 28, 2026, TIME: 3:08 PM, USER: ah3305 AVO: 53112.002

WWL-05



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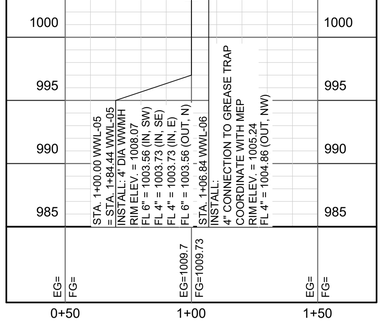

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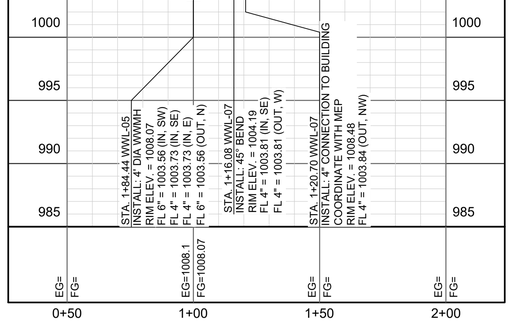

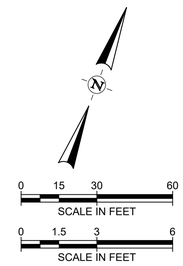

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PROJECT NO.:	53112.009
ISSUED:	1/28/2026
DRAWN BY:	--
CHECKED BY:	--
SCALE:	1" = ###'

SHEET TITLE

WASTEWATER PROFILES (2 OF 2)

84 OF 104

811
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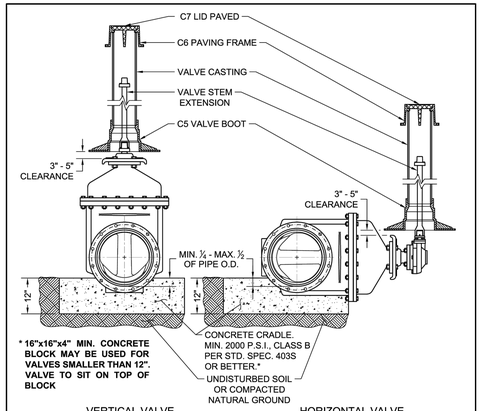


*** 16"x16"x4" MIN. CONCRETE BLOCK MAY BE USED FOR VALVES SMALLER THAN 12". VALVE TO SIT ON TOP OF BLOCK**

VERTICAL VALVE

HORIZONTAL VALVE

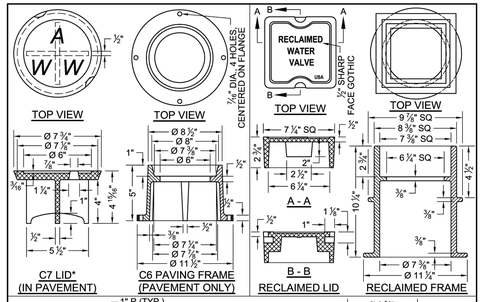
ONLY TO BE USED WHEN CALLED OUT ON THE DRAWINGS.

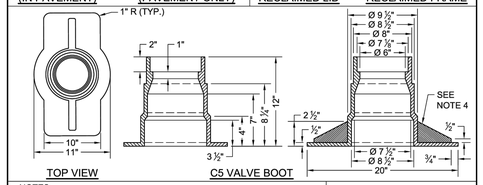
NOTES:

1. WELD SOCKET 2⅝" x 2" DEEP TO 1" SCH. 40 CARBON STEEL ROUND STEM EXTENSION, FITTED ON OPERATING NUT, [SCH. 80 FOR LENGTHS OVER 10'.]
2. VALVE CASTING SHALL BE 6" DI PIPE WITH BELL OR COLLAR CENTERED OVER VALVE BOOT.
3. NUT AT TOP OF VALVE EXTENSION ROD SHALL BE SQUARE 2" LONG WELDED TO TOP OF ROD.
4. VALVE STEM EXTENSIONS ARE REQUIRED ON ALL VALVES THAT EXCEED 3' DEEP FROM FINISHED GRADE. VALVE EXTENSIONS SHALL BE PLACED SUCH THAT THE EXTENSION NUT IS BETWEEN 12" AND 18" FROM FINISHED GRADE.

RECLAIMED WATER: ALL RECLAIMED PVC PIPE SHALL BE MANUFACTURED PURPLE PIPE. HDPE PIPE SHALL BE MANUFACTURED WITH PURPLE STRIPES. ALL OTHER PIPE AND APPURTENANCES SHALL BE MANUFACTURED PURPLE IF AVAILABLE. ALL PIPE AND FITTINGS THAT ARE NOT AVAILABLE FROM THE MANUFACTURER IN PURPLE SHALL BE PAINTED PURPLE PER SPL WW-3C. ALL BURIED DI AND CI PIPE AND FITTINGS SHALL ALSO BE WRAPPED IN PURPLE POLYETHYLENE PER SPL WW-27D. ALL COVERS SHALL HAVE **"RECLAIMED WATER"** CAST INTO THEM.

CITY OF AUSTIN AUSTIN WATER	TYPICAL GATE VALVE 4" - 16"	
RECORD COPY SIGNED BY KATHI L FLOWERS 05/18/2016 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 511-AW-01 1 OF 4





NOTES:

1. MATERIAL SHALL BE GRAY CAST IRON, ASTM A48, GRADE 30B.
2. THE MANUFACTURER'S IDENTIFICATION AND CASTING NUMBER, AND THE COUNTRY WHERE CAST, SHALL BE DISTINCTLY CAST ONTO EACH LID, FRAME, COLLAR AND BASE.
3. DRAFT AND SHRINKAGE ALLOWANCE SHALL BE IN ACCORDANCE WITH NORMAL FOUNDRY PRACTICE.
4. CASTING FINISH BY MANUFACTURER SHALL INCLUDE REMOVAL OF FINS AND FLASHING, AND PAINT WITH BLACK ASPHALT COATING.

WEIGHTS:

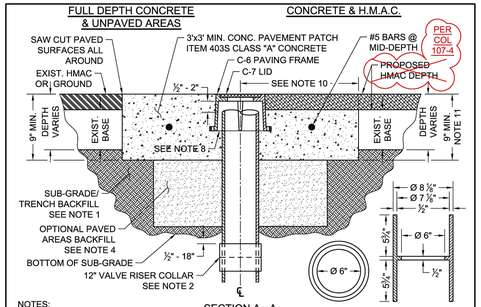
C7 LID: 13 LBS
RECLAIMED LID: 15 LBS
C6 FRAME: 23 LBS
RECLAIMED FRAME: 33 LBS
C5 BASE: 78 LBS

* LETTERING SHALL BE 1 ½" 2 PICK BAR SLOTS REQUIRED

CITY OF AUSTIN AUSTIN WATER	TYPICAL GATE VALVE 4" - 16"	
RECORD COPY SIGNED BY KATHI L FLOWERS 05/18/2016 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 511-AW-01 2 OF 4

FULL DEPTH CONCRETE & UNPAVED AREAS

CONCRETE & H.M.A.C.



NOTES:

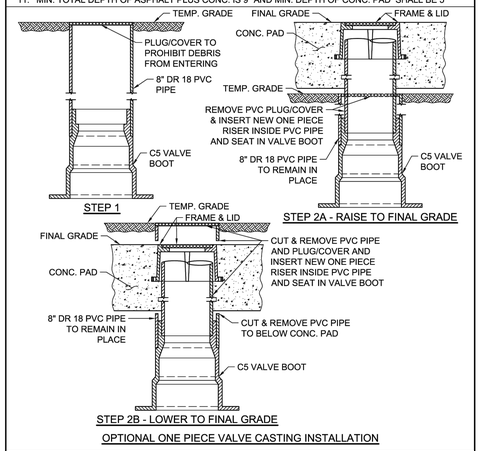
1. SUB-GRADE/TRENCH BACKFILL SHALL BE COMPACTED AS PER ITEM 201S, SUB-GRADE PREPARATION.
2. TO ADJUST VALVE CASTINGS TO FINAL GRADE, REMOVE RISER PIPE BELOW SUB-GRADE AND INSTALL APPROPRIATE LENGTH OF NEW RISER PIPE TO ACHIEVE FINAL GRADE. CONNECT THE TWO PIECES OF RISER PIPE WITH A 6" COLLAR MIN. 12" LENGTH APPROXIMATELY CENTERED ON THE JOINT WITH THE TOP OF SLEEVE LOCATED ½" - 18" BELOW SUB-GRADE. THE INSIDE "LIP" OF COLLAR TO BE PAINTED WITH FLUORESCENT WHITE PAINT OR COVERED WITH FLUORESCENT WHITE TAPE. ALTERNATE: FOR OPTIONAL SINGLE PIECE RISER INSTALLATION SEE SHEET 4 OF 4.
3. CLEAN VALVE BOX OF ALL DEBRIS DOWN TO THE NUT OF THE VALVE; NUT SHALL OPERATE WITH NO OBSTRUCTION.
4. WHERE CASTINGS TO BE REMOVED REQUIRE EXCAVATION GREATER THAN 20" DEEP, CONTRACTOR MAY ELECT TO FILL EXCAVATION WITH CONTROLLED LOW STRENGTH MATERIAL (SPEC. ITEM 402S) TO THE UNDERSIDE OF THE CONCRETE. PAVEMENT PATCH IN LIEU OF COMPACTED BACKFILL.
5. REINFORCING STEEL SHALL MEET SPEC. ITEM 406S.7.
6. NO MORE THAN 2 SECTIONS OF PIPE SHALL BE USED FROM VALVE TO FINAL GRADE.
7. BELL AND SPIGOT IS ACCEPTABLE FOR DEPTH OVER 18'.

SECTION A - A

CITY OF AUSTIN AUSTIN WATER	TYPICAL GATE VALVE 4" - 16"	
RECORD COPY SIGNED BY KATHI L FLOWERS 05/18/2016 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 511-AW-01 3 OF 4

NOTES (CON'T):

8. PAVING FRAME SHALL BE FLUSH WITH THE CONC. PAD AND PLACED ½" - 2" ABOVE RISER PIPE (FRAME SHALL NOT REST ON RISER.)
9. IN UNPAVED AREAS, INSTALL ONE DELINEATOR STAKE IMMEDIATELY ADJACENT TO THE EDGE OF THE CONCRETE PAD. DELINEATOR SHALL BE BLUE FOR POTABLE WATER AND PURPLE FOR RECLAIMED WATER AND SHALL EXTEND AT LEAST 60" ABOVE GROUND. DELINEATORS SHALL HAVE 2" WIDE, WHITE IN COLOR, TYPE I REFLECTIVE TAPE MOUNTED DIAGONALLY AT 12" SPACING ON BOTH SIDES.
10. VALVE SHALL TYPICALLY BE CENTERED IN CONCRETE DIAMOND BUT MAY BE OFFSET WITH A MIN. OF 12" FROM CENTER OF VALVE LID TO EDGE OF CONCRETE IN ALL DIRECTIONS.
11. MIN. TOTAL DEPTH OF ASPHALT PLUS CONC. IS 9" AND MIN. DEPTH OF CONC. PAD SHALL BE 5"



OPTIONAL ONE PIECE VALVE CASTING INSTALLATION

CITY OF AUSTIN AUSTIN WATER	TYPICAL GATE VALVE 4" - 16"	
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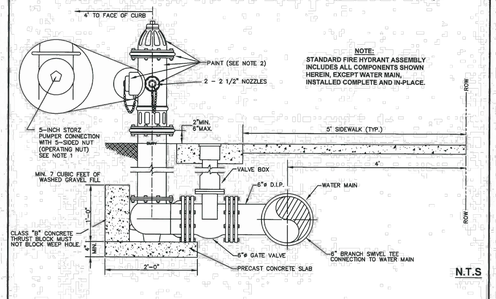
FIRE HYDRANTS LACKING INTEGRAL STORZ CONNECTOR SHALL BE REJECTED (NO STORZ ADAPTERS ALLOWED)



NOTES:

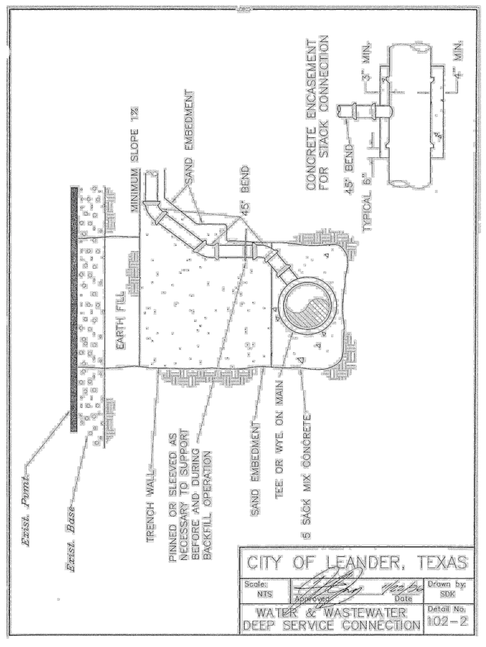
1. FIRE HYDRANT SHALL BE CLOW MEDALLION F2545, AMERICAN DARLING B-84-B-5, MUELLER SUPER CENTURION, EJ 5CD250 WATERMASTER, KENNEDY K81D GUARDIAN, AVK 2780, OR APPROVED EQUAL VIA SUBMITTAL PROCESS. THE PRIMARY FEATURES REQUIRED INCLUDE: FACTORY INSTALLED INTEGRAL 5-INCH STORZ PUMPER NOZZLE; 1.5-INCH PENT OPERATING NUT ON NOZZLE CAP; OPEN LEFT; FACTORY PAINTED.
2. HYDRANTS SHALL BE FACTORY PAINTED WITH FLYNT ALUMINUM SILVER PAINT OR SHERWIN WILLIAMS SILVER B59S11. HYDRANTS WILL NOT BE ACCEPTED IF PAINTED AFTER DELIVERY OR IF PAINT IS FLAT IN APPEARANCE.
3. ALL DUCTILE OR CAST IRON FITTINGS AND/OR PIPE SHALL BE POLYWRAPPED.
4. ALL HYDRANTS SHALL BE EQUIPPED WITH A BREAKAWAY FLANGE. ALL FITTINGS SHALL BE EQUIPPED WITH JOINT RESTRAINT "MEGALUG" OR APPROVED EQUAL. ALL ANCHOR FITTING TO BE CONCRETE THRUST BLOCKED.
5. BLUE, BI-DIRECTIONAL REFLECTIVE PAVEMENT MARKER, ULTIMATE WET NIGHT VISIBILITY SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATION AT THE CORRESPONDING ROADWAY STATION OFFSET 6" (SIX INCHES) FROM CENTER OF STREET TO THE SIDE HYDRANT IS LOCATED. AT INTERSECTIONS, MARKERS SHALL BE PLACED ON BOTH ROADWAYS ADJACENT TO HYDRANT.

LOCATION:

6. SET F.H. ON LOT LINE (EXTENDED WHEN POSSIBLE)
7. F.H. LOCATED AT STREET INTERSECTIONS SHALL BE PLACED A MINIMUM OF TEN FEET (10') FROM RADIUS TANGENT POINT
8. NO OBSTRUCTIONS SHALL BE PERMITTED WITHIN THREE FEET (3') IN ALL DIRECTIONS FROM F.H.
9. 5-INCH STORZ PUMPER NOZZLE SHALL FACE THE FIRE LANE OR TRAVEL WAY UNLESS OTHERWISE NOTED.

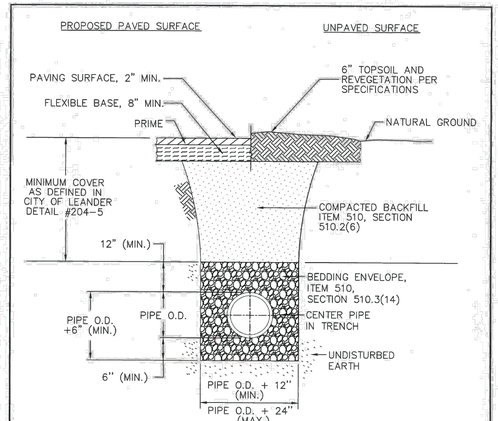
STATE OF TEXAS · WAYNE S. WATTS · 86134 · LICENSED PROFESSIONAL ENGINEER
02/05/19

City Of Leander, Texas
DETAIL #101-4
STANDARD FIRE HYDRANT ASSEMBLY



CITY OF LEANDER, TEXAS

Scale: NTS	Approved	Date	Drawn by: SDK
WATER & WASTEWATER DEEP SERVICE CONNECTION			Detail No. 102-2



NOTES:

1. SEE CITY OF LEANDER DETAIL #104-2 FOR TYPICAL PIPE TRENCH AND EMBEDMENT IN EXISTING PAVED SURFACES.

REFERENCES:

1. CITY OF AUSTIN STANDARD SPECIFICATION MANUAL ITEM 510, SECTION 510.2(6), "SELECT BACKFILL OR BORROW"; SECTION 510.3(14), "PIPE BEDDING ENVELOPE"

STATE OF TEXAS · MICHAEL LAFFERTY · 118709 · LICENSED PROFESSIONAL ENGINEER
2019-05-23

City Of Leander, Texas
DETAIL #104-1
TYPICAL PIPE TRENCH AND EMBEDMENT

LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
LEANDER TEXAS
SD- ___

LEANDER I.S.D.
204 W. SOUTH ST.
LEANDER TEXAS

halff
13620 BRIARWICK DR., SUITE 100
AUSTIN, TEXAS 78729
TEL: (512)777-4600

REVISION NO.	DATE	DESCRIPTION

STATE OF TEXAS · ZHIPENG XING, P.E. · 127763 · LICENSED PROFESSIONAL ENGINEER
1/28/2026

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I CERTIFY THAT THESE DRAWINGS ARE COMPLETE, ACCURATE AND ADEQUATE FOR THEIR INTENDED PURPOSES, INCLUDING CONSTRUCTION, BUT ARE NOT AUTHORIZED FOR CONSTRUCTION UNTIL FORMAL CITY APPROVAL.

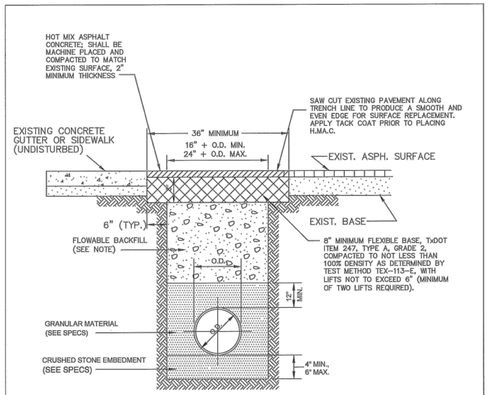
PROJECT NO.:	53112.009
ISSUED:	1/28/2026
DRAWN BY:	--
CHECKED BY:	--
SCALE:	N.T.S.

SHEET TITLE

WATER DETAILS

85 OF 104

FILE NAME: A:\53000s\53112\009\PWCADDSheets\C-DTLS-DTLS-53112.09.dwg DATE: January 28, 2026, TIME: 9:43 AM, USER: ah3305 AVO: 53112.002



NOTES:

FLOWABLE BACKFILL SHALL CONSIST OF A MIXTURE OF NATIVE SOILS OR MANUFACTURED MATERIALS, CEMENT AND/OR FLY ASH, AND WATER WHICH PRODUCES A MATERIAL WITH UNCONFINED COMPRESSIVE STRENGTH OF BETWEEN 250 AND 450 PSI AFTER 28 DAYS. ANY MATERIALS USED SHALL BE PRIMARILY GRANULAR, WITH A PLASTICITY INDEX <12 AND WITH 100% PASSING A 3/4 INCH SIEVE. THE FLOWABLE MIXTURE SHALL BE MIXED IN A PUG MILL, CONCRETE MIXER, OR TRANSIT MIXER AND SHALL HAVE A MINIMUM SLUMP OF 5 INCHES. THE FLOWABLE MIXTURE MUST BE ALLOWED TO SET PRIOR TO THE PACEMENT OF ANY OVERLAYING MATERIAL.

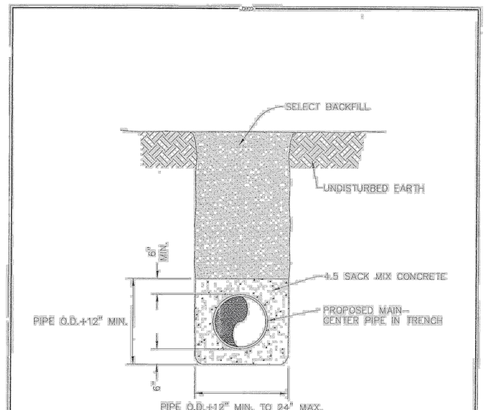
ONE CONCRETE CYLINDER WILL BE REQUIRED FOR TESTING AND WILL BE FABRICATED BY THE CITY INSPECTOR.

THE PUBLIC WORKS DEPARTMENT IS TO BE CONTACTED AT 259-2640 PRIOR TO COMMENCEMENT OF BACKFILL OPERATIONS.

STATE OF TEXAS — WAYNE S. WATTS — 86134 — LICENSED PROFESSIONAL ENGINEER

Wayne S. Watts 4/20/12

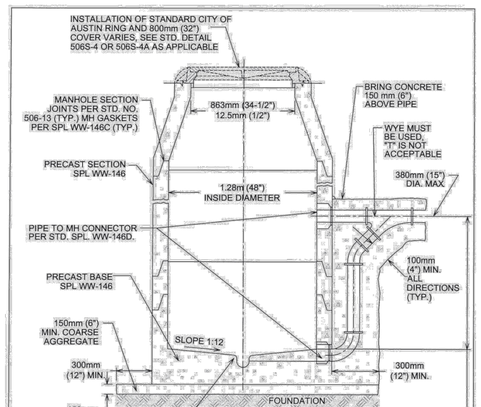
City Of Leander, Texas
DETAIL #104-2
TYPICAL TRENCH AND H.M.A.C. SURFACE REMOVAL AND REPLACEMENT DETAIL



CITY OF LEANDER, TEXAS

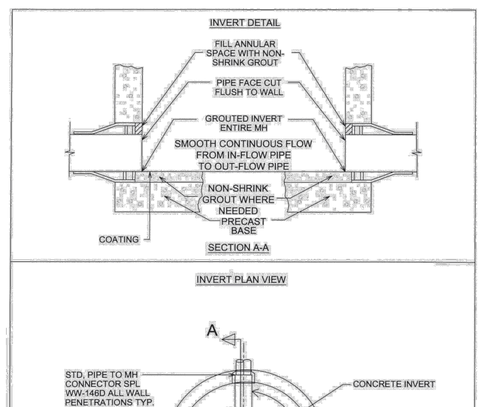
Scale: NTS — Drawn by: RPW — Date: 4/20/12

CONCRETE ENCASEMENT — Detail No. 105-1

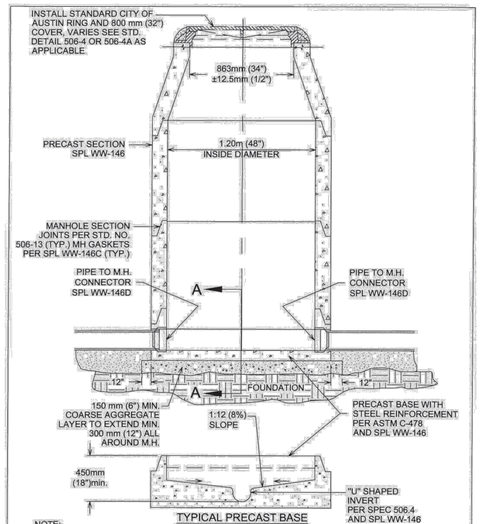


NOTES:
1. THE MANHOLE BASE SHALL BE BEDDED ON 150mm (6") COARSE AGGREGATE. THE CONTRACTOR SHALL LEVEL AND PLUMB THE BASE PRIOR TO SETTING THE PRECAST MANHOLE RISER SECTIONS ON THE PRECAST CONCRETE BASE.
2. MANHOLE FOUNDATION SHALL MEET OR EXCEED STD. SPEC 506.5B.

CITY OF AUSTIN, AUSTIN WATER UTILITY	PRECAST MANHOLE WITH DROP INLET ON PRECAST BASE	
Kathi K Flowers 8/31/2011	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 506S-8, 1 OF 3

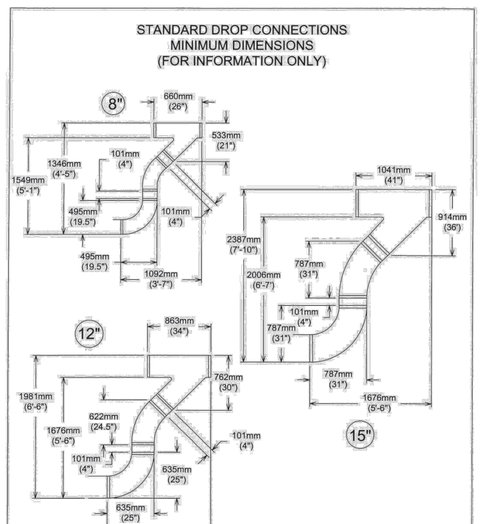


CITY OF AUSTIN, AUSTIN WATER UTILITY	PRECAST MANHOLE WITH DROP INLET ON PRECAST BASE	
Kathi K Flowers 8/31/2011	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 506S-8, 2 OF 3

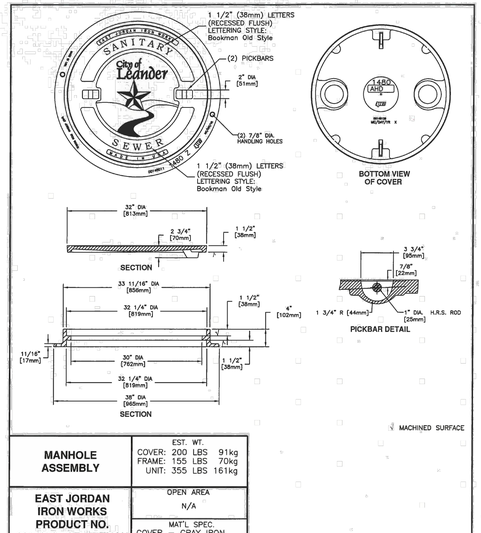


NOTE:
1. THE MANHOLE BASE SHALL BE BEDDED ON 150 mm (6") COARSE AGGREGATE. THE CONTRACTOR SHALL LEVEL AND PLUMB THE BASE PRIOR TO SETTING THE PRECAST MANHOLE RISER SECTIONS ON THE PRECAST CONCRETE BASE.
2. MH FOUNDATION SHALL MEET OR EXCEED STD. SPEC. 506.5B.

CITY OF AUSTIN, AUSTIN WATER UTILITY	WASTEWATER MANHOLE ON PRECAST BASE	
Kathi K Flowers 8/31/2011	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 506S-10



CITY OF AUSTIN, AUSTIN WATER UTILITY	PRECAST MANHOLE WITH DROP INLET ON PRECAST BASE	
Kathi K Flowers 8/31/2011	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 506S-8, 3 OF 3



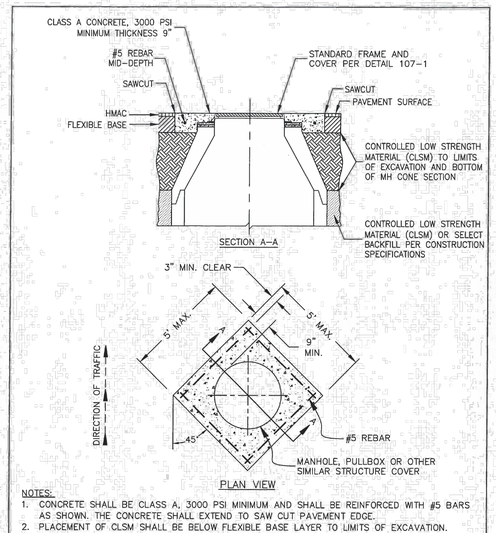
MANHOLE ASSEMBLY	EST. WT. COVER: 200 LBS 91kg; FRAME: 155 LBS 70kg; UNIT: 355 LBS 161kg
EAST JORDAN IRON WORKS PRODUCT NO. 00148107 OR NEENAH FOUNDRY DF-1274 LEANDER SANITARY	OPEN AREA: N/A; MAT'L SPEC. COVER – GRAY IRON ASTM A48 CL35B, FRAME – GRAY IRON ASTM A48 CL35B

LOAD RATING: HEAVY DUTY (H20)

STATE OF TEXAS — WAYNE S. WATTS — 86134 — LICENSED PROFESSIONAL ENGINEER

Wayne S. Watts 02/22/16

City Of Leander, Texas
DETAIL #107-1
SANITARY SEWER MANHOLE COVER



NOTES:
1. CONCRETE SHALL BE CLASS A, 3000 PSI MINIMUM AND SHALL BE REINFORCED WITH #5 BARS AS SHOWN. THE CONCRETE SHALL EXTEND TO SAW CUT PAVEMENT EDGE.
2. PLACEMENT OF CLSM SHALL BE BELOW FLEXIBLE BASE LAYER TO LIMITS OF EXCAVATION.
3. INSTALLATION OF HMAC OVER CONCRETE ADJUSTMENT SHALL NOT BE ALLOWED.
4. INSTALLATION OF CONCRETE CASTING ADJUSTMENT IS REQUIRED FOR ALL TYPES OF MANHOLES TO BE LOCATED IN THE ROADWAY.

STATE OF TEXAS — WAYNE S. WATTS — 86134 — LICENSED PROFESSIONAL ENGINEER

Wayne S. Watts 02/22/17

City Of Leander, Texas
DETAIL #107-4
MANHOLE CASTING ADJUSTMENT

LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
LEANDER TEXAS
SD- -

LEANDER I.S.D.
204 W. SOUTH ST.
LEANDER TEXAS

halff
13620 BRIARWICK DR., SUITE 100
AUSTIN, TEXAS 78729
TEL: (512) 777-4600

REVISION NO.	DATE	DESCRIPTION

STATE OF TEXAS — ZHIPENG XING, P.E. — 127763 — LICENSED PROFESSIONAL ENGINEER — 1/28/2026

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY ZHIPENG XING, P.E. LIC. # 127763

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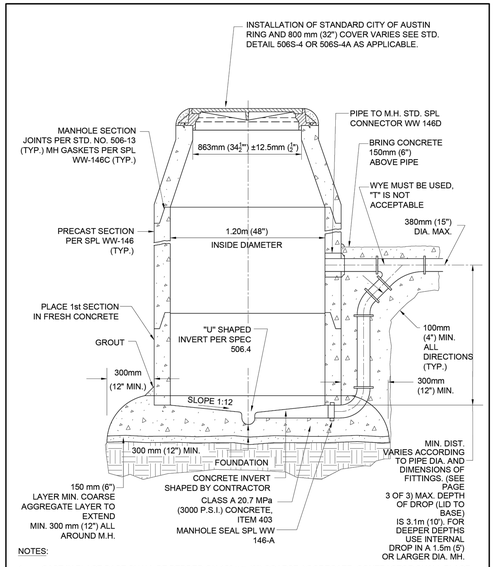
SHEET TITLE

WASTEWATER DETAILS (1 OF 2)

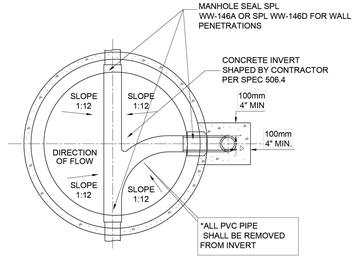
FILE NAME: A:\53000s\53112\009\PWCADDSheets\C-DTLS-53112.09.dwg DATE: January 28, 2026, TIME: 9:43 AM, USER: ah3305 AVO: 53112.002



NOTES:

1. CAST IN PLACE BASE SHALL BE BEDDED ON 150mm (6") COARSE AGGREGATE. CONTRACTOR SHALL PLACE 1st SECTION OF MANHOLE PLUMB & LEVEL PRIOR TO SETTING ANY ADDITIONAL SECTIONS.
2. MANHOLE CAST IN PLACE BASE FOUNDATION SHALL MEET OR EXCEED STD. SPEC. 506.5B.

CITY OF AUSTIN AUSTIN WATER UTILITY		PRECAST MANHOLE WITH DROP INLET ON CAST IN PLACE BASE	
RECORD COPY SIGNED BY KATHI L FLOWERS	08/31/2011	THE ENGINEER/ARCHITECT ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD. MODIFICATIONS TO THIS STANDARD ARE PROHIBITED.	STANDARD NO. 506S-7 1 OF 3
ADOPTED			

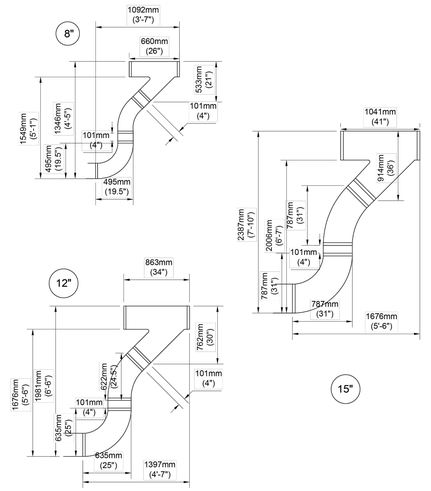


NOTE:

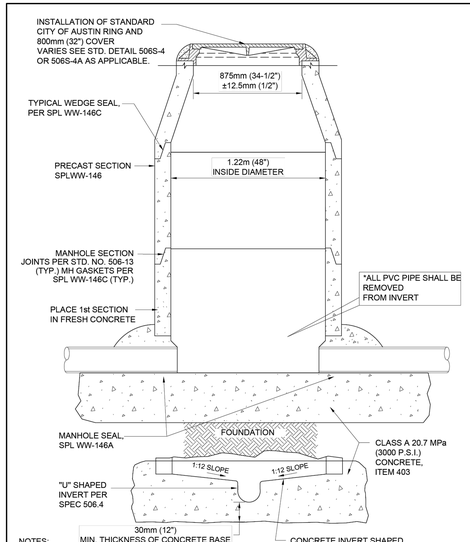
1. MANHOLE SEAL STD. SPL WW-146A IS ONLY FOR INSTALLATION ON EXISTING WW LINES WITHIN CAST IN PLACE BASE.

CITY OF AUSTIN AUSTIN WATER UTILITY		PRECAST MANHOLE WITH DROP INLET ON CAST IN PLACE BASE	
RECORD COPY SIGNED BY KATHI L FLOWERS	08/31/2011	THE ENGINEER/ARCHITECT ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD. MODIFICATIONS TO THIS STANDARD ARE PROHIBITED.	STANDARD NO. 506S-7 2 OF 3
ADOPTED			

STANDARD DROP CONNECTIONS MINIMUM DIMENSIONS
(FOR INFORMATION ONLY)



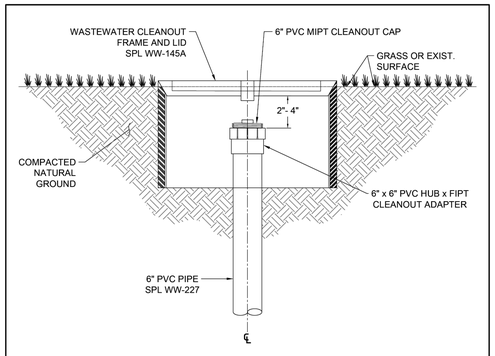
CITY OF AUSTIN AUSTIN WATER UTILITY		PRECAST MANHOLE WITH DROP INLET ON CAST IN PLACE BASE	
RECORD COPY SIGNED BY KATHI L FLOWERS	08/31/2011	THE ENGINEER/ARCHITECT ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD. MODIFICATIONS TO THIS STANDARD ARE PROHIBITED.	STANDARD NO. 506S-7 3 OF 3
ADOPTED			



NOTES:

1. FOR EXISTING WW LINES ONLY.
2. MANHOLE FOUNDATION SHALL MEET OR EXCEED STD. SPEC 506.5B
3. FIRST RISER SECTION SHALL BE PLACED PLUMB & LEVEL PRIOR TO SETTING ANY ADDITIONAL SECTIONS.

CITY OF AUSTIN AUSTIN WATER UTILITY		PRECAST MANHOLE ON CAST IN PLACE BASE	
RECORD COPY SIGNED BY KATHI L FLOWERS	08/31/2011	THE ENGINEER/ARCHITECT ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD. MODIFICATIONS TO THIS STANDARD ARE PROHIBITED.	STANDARD NO. 506S-9 1 OF1
ADOPTED			



NOTE:

1. WASTEWATER CLEANOUT FRAME AND LID SHALL NOT BE PLACED IN PAVED AREAS, INCLUDING SIDEWALKS, DRIVEWAYS, OR PARKING LOTS, AND MUST BE LOCATED A MINIMUM OF 6" FROM ALL PAVED AREAS.

CITY OF AUSTIN AUSTIN WATER		WASTEWATER CLEANOUT FRAME AND LID	
JEFF A. KYLE	*08/16/2019*	THE ENGINEER/ARCHITECT ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD. MODIFICATIONS TO THIS STANDARD ARE PROHIBITED.	STANDARD NO. 520-AW-03 1 OF 1
ADOPTED			

LEANDER HS MASTER PLAN

MODERNIZATION PHASE 2
LEANDER TEXAS
SD- -

LEANDER I.S.D.

204 W. SOUTH ST.
LEANDER TEXAS

halff
13620 BRIARWICK DR., SUITE 100
AUSTIN, TEXAS 78729
TEL: (512) 777-4600

REVISION NO.	DATE	DESCRIPTION

STATE OF TEXAS
ZHIPENG XING, P.E.
127763
LICENSED
PROFESSIONAL ENGINEER
1/28/2026

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WASTEWATER DETAILS (2 OF 2)

87 OF 104

FILE NAME: A:\53000s\53112\009\PW\CADD\Sheets\C-DTLS-DTLS-53112.09.dwg DATE: January 28, 2026, TIME: 9:43 AM, USER: ah3305 AVO: 53112.002

STRUCTURAL NOTES & SPECIFICATIONS

GENERAL REQUIREMENTS

1 APPLICABLE CODES AND STANDARDS - ALL CODES AND STANDARDS REFERENCED SHALL BE THE LATEST EDITION.

2 ANY REQUIRED CHANGES TO THE STRUCTURAL DRAWINGS DUE TO THE ACCEPTANCE OR INCLUSION OF ALTERNATES OR SUBSTITUTIONS ARE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW.

3 THE CONTRACTOR SHALL COMPARE THE STRUCTURAL DRAWINGS WITH THE CIVIL DRAWINGS AND REPORT ANY DISCREPANCY TO THE ENGINEER PRIOR TO FABRICATION OR INSTALLATION OF STRUCTURAL MEMBERS.

4 JOB SITE SAFETY SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL, AS A MINIMUM, ADHERE TO OCCUPATIONAL SAFETY AND HEALTH (OSHA) REGULATIONS TO PROTECT PERSONNEL.

FOUNDATION NOTES

1 DESIGN LOADS

ACTIVE LATERAL EARTH PRESSURE - EQUIVALENT FLUID PRESSURE OF 38 PCF

AT REST LATERAL EARTH PRESSURE - EQUIVALENT FLUID PRESSURE OF 60 PSF

UNDRAINED RETAINING WALLS ARE DESIGNED FOR SATURATED SOIL TO TOP OF WALL

SURCHARGE PRESSURE: 100 PSF AT SIDEWALK
250 PSF AT FIRE LANE
50 PSF AT POND WALLS

2 DESIGN ALLOWABLE SOIL BEARING PRESSURE IS 2000 PSF ON PROOF-ROLLED NATURAL SUBGRADE.

3 THE SITE GEOTECHNICAL INVESTIGATION FOR THIS PROJECT WAS PREPARED BY RABA KISTNER CONSULTANTS, INC., 8100 CAMERON ROAD, SUITE B-150, AUSTIN, TEXAS 78754, TELEPHONE (512) 339-1745, FAX (512) 339-6174, PROJECT NO. AAA23-156-00, DATED 08/19/2025. THE CONTRACTOR SHALL OBTAIN A COPY OF THIS REPORT AND REVIEW THE REPORT TO BECOME THOROUGHLY FAMILIAR WITH THE GEOTECHNICAL CONDITIONS THAT EXIST AT THIS SITE AND THE RECOMMENDATIONS PRESENTED THEREIN.

THE SITE GEOTECHNICAL REPORT AND THE RECOMMENDATIONS PRESENTED THEREIN ARE REFERENCED FOR INFORMATIONAL PURPOSES ONLY. THE GEOTECHNICAL REPORT FOR THE PROJECT SITE IS NOT A PART OF THE CONSTRUCTION OR CONTRACT DOCUMENTS.

4 PRIOR TO COMMENCEMENT OF EXCAVATION OPERATIONS, FIELD LOCATE AND ADEQUATELY PROTECT ANY EXISTING STRUCTURES, TREES, UTILITIES AND/OR OTHER PERMANENT ELEMENTS TO REMAIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ANY DAMAGE RESULTING FROM CONSTRUCTION OPERATIONS.

5 THE CONTRACTOR SHALL PROVIDE AND ENSURE PROPER DRAINAGE OF THE SITE PRIOR TO BEGINNING CONSTRUCTION OF THE SITE WALLS. DRAINAGE SHALL BE SUCH THAT SURFACE RUNOFF IS ROUTED AROUND OR AWAY FROM THE CONSTRUCTION AREA. MEASURES SHALL BE TAKEN TO PREVENT THE PONDING OF WATER WITHIN THE FOUNDATION AREA.

6 THE CONSTRUCTION AREA FOR THE SITE WALLS SHALL BE STRIPPED OF ALL VEGETATION, LOOSE TOP SOIL, DEBRIS, ORGANICS AND OTHER DELETERIOUS MATERIAL. ROOTS AND STUMPS OF TREES WITHIN THE CONSTRUCTION AREA SHALL BE REMOVED FOR THEIR FULL DEPTH, INCLUDING THE DRY SOILS AROUND THE ROOT BULB. EXCAVATIONS IN CUT AREAS SHALL BE BENCHED.

7 FOOTINGS SHALL BE FOUNDED ON FIRM, UNDISTURBED NATURAL SUBGRADE. EXCAVATIONS SHALL BE NEAT AND FREE OF ALL LOOSE MATERIALS AND DEBRIS PRIOR TO PLACEMENT OF CONCRETE. CONTRACTOR SHALL USE CARE TO PROTECT EXCAVATIONS FROM CAVING AND SLOUGHING DUE TO TRAFFIC FROM EQUIPMENT OR WORKMEN.

8 ONCE FINAL SUBGRADE ELEVATIONS HAVE BEEN ACHIEVED, THE EXPOSED SUBGRADE SHALL BE CAREFULLY PROOFROLLED WITH A 15-TON PNEUMATIC ROLLER OR EQUIVALENT EQUIPMENT TO DETECT WEAK ZONES IN THE SUBGRADE. WEAK AREAS DETECTED DURING PROOFROLLING SHALL BE REMOVED AND REPLACED WITH SOILS EXHIBITING SIMILAR CLASSIFICATION, MOISTURE CONTENT AND DENSITY AS THE ADJACENT IN-SITU SOILS. PRIOR TO FOOTING CONSTRUCTION, THE SUBGRADE PREPARATION SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER.

9 IN THE EVENT THAT EXCAVATIONS ARE COMPLETED TO A DEPTH GREATER THAN THAT REQUIRED BY THE DRAWINGS, THE CONTRACTOR SHALL FILL THE OVEREXCAVATION WITH CONCRETE. CONCRETE REQUIRED TO COMPENSATE THE OVEREXCAVATION SHALL BE AT THE CONTRACTOR'S EXPENSE.

10 ANY WATER ACCUMULATIONS IN EXCESS OF 1 INCH SHALL BE PUMPED OUT PRIOR TO PLACEMENT OF CONCRETE. REBAR AND CONCRETE FOR FOOTINGS SHALL BE PLACED AS SOON AS PRACTICAL FOLLOWING COMPLETION OF EXCAVATIONS TO PREVENT EXCESSIVE DRYING OR WETTING OF THE SUBGRADE.

11 THE FREE DRAINING MATERIAL BEHIND THE GRAVITY ROCK WALLS SHALL CONSIST OF CLEAN, FREE DRAINING CRUSHED STONE WRAPPED IN FILTER FABRIC. THE CLEAN CRUSHED STONE BACKFILL SHALL BE FREE OF ORGANIC AND OTHER DELETERIOUS MATERIALS. ALL ROCK PARTICLES SHALL BE LESS THAN THREE INCHES IN ANY DIMENSION. THE CLEAN CRUSHED STONE SHALL MEET THE FOLLOWING GRADATION:

SIEVE SIZE	PERCENT PASSING
2"	100%
3/4"	75-100%
NO. 4	0-20%
NO. 50	0-5%

AN ACCEPTABLE PRODUCT IS TEXAS CRUSHED STONE 066.

THE CLEAN CRUSHED STONE BACKFILL SHOULD BE PLACED IN LIFTS OF 12 INCHES MAXIMUM THICKNESS AND COMPACTED UNTIL NO FURTHER DENSIFICATION OCCURS. ONLY LIGHTWEIGHT COMPACTION EQUIPMENT SHALL BE USED WITHIN A DISTANCE EQUAL TO THE HEIGHT OF THE WALL.

AT NON-PAVED AREAS, THE TOP 12 INCHES OF THE BACKFILL SHALL CONSIST OF A CLAY MATERIAL WITH A MINIMUM PI OF 32. THE CLAY MATERIAL SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH THE STANDARD SPECIFICATION.

12 ALL SELECT FILL MATERIAL BEHIND THE CLEAN CRUSHED STONE BACKFILL OF THE ROCK GRAVITY WALLS AND BEHIND THE CONCRETE RETAINING WALLS SHALL CONSIST OF IMPORTED SELECT FILL OR ON-SITE PROCESSED LIMESTONE MATERIAL APPROVED BY THE GEOTECHNICAL ENGINEER. IMPORTED SELECT FILL - IMPORTED SELECT FILL SHALL CONSIST OF LIMESTONE BASE MATERIAL MEETING THE REQUIREMENTS OF TXDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MAINTENANCE OF HIGHWAYS, STREETS AND BRIDGES ITEM 247, TYPE A, GRADE 1-2 OR 3, WITH A MINIMUM PLASTICITY INDEX (PI) OF 3 AND A MAXIMUM PI OF 12.

ALL SELECT FILL MATERIAL SHALL BE PLACED IN UNIFORM LOOSE LIFT THICKNESS OF 8 INCHES MAXIMUM AND COMPACTED TO UNIFORM LIFTS NOT EXCEEDING 6 INCHES IN THICKNESS. SELECT FILL SHALL BE COMPACTED TO A MINIMUM OF 100 PERCENT OF THE MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT +/-2% IN ACCORDANCE WITH TxDOT TEST METHOD TEX-113-E.

THE TOP 12 INCHES OF BACKFILL SHALL CONSIST OF A CLAY MATERIAL WITH A MINIMUM PI OF 32. THE CLAY MATERIAL SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH THE STANDARD SPECIFICATION.

13 ALL BACKFILL BEHIND THE WEIR STRUCTURE WALLS SHALL CONSIST OF EMBANKMENT MATERIAL SPECIFIED BY THE PROJECT CIVIL AND/OR GEOTECHNICAL ENGINEER.

14 BACKFILLING OPERATIONS SHALL NOT BEGIN UNTIL MORTARED ROCK WALLS OR CONCRETE WALLS HAVE CURED A MINIMUM OF 7 DAYS. UNDER NO CIRCUMSTANCES SHALL BACKFILLING COMMENCE IN LESS THAN 7 DAYS. THE BACKFILL PLACEMENT AND COMPACTION OPERATIONS SHALL BE CAREFULLY CONTROLLED TO PREVENT OVERCOMPACTION OR DAMAGE TO THE STRUCTURES.

REINFORCED CONCRETE NOTES

1 CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE AMERICAN CONCRETE INSTITUTE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, ACI 318.

2 NORMAL WEIGHT CONCRETE, WITH THE SPECIFIED 28 DAY COMPRESSIVE STRENGTHS, SHALL BE USED AS FOLLOWS:

ALL CAST-IN-PLACE CONCRETE 3600 PSI
MAXIMUM WATER/CEMENT RATIO = 0.45

3 CONCRETE SHALL BE PROPORTIONED TO PROVIDE THE SPECIFIED COMPRESSIVE STRENGTH AT SLUMPS IN THE RANGE OF 6 TO 8 INCHES. THE USE OF A MID-RANGE OR HIGH RANGE WATER REDUCING ADMIXTURE IS REQUIRED TO IMPROVE WORKABILITY AND PLACEABILITY OF THE CONCRETE AT THE SPECIFIED WATER/CEMENT RATIOS.

4 HIGH-RANGE WATER REDUCING, OR SUPERPLASTICIZING ADMIXTURES, SHALL BE POLYCARBOXYLATE BASED.

5 CONCRETE SHALL BE PROPORTIONED AND MIXED WITH A FLY ASH. THE FLY ASH CONTENT SHALL BE EQUAL TO 25 PERCENT OF THE TOTAL WEIGHT OF THE FLY ASH PLUS CEMENT FOR CLASS F FLY ASH, AND EQUAL TO 30 PERCENT OF THE TOTAL WEIGHT OF THE FLY ASH PLUS CEMENT FOR CLASS C FLY ASH. CONCRETE MIXED WITH CLASS C FLY ASH SHALL BE SUBJECT TO THE FOLLOWING RESTRICTIONS:

A COARSE AGGREGATE SHALL CONSIST OF CRUSHED LIMESTONE. THE USE OF RIVER GRAVEL AGGREGATE WILL NOT BE PERMITTED.

B CEMENT SHALL BE TYPE II LA (LOW ALKALI) OR TYPE I/II LA. ALKALI CONTENT OF THE CEMENT SHALL BE LESS THAN 0.60% OF THE CEMENT.

6 ADDITION OF WATER AT THE PROJECT SITE - THE ADDITION OF WATER TO CONCRETE MIXER TRUCKS AT THE SITE SHALL BE LIMITED TO A MAXIMUM OF 5 GALLONS PER FULLY BATCHED TRUCK, PROVIDED THAT THE ADDITION OF THE WATER DOES NOT CAUSE THE WATER/CEMENT RATIO TO EXCEED THE SPECIFIED MAXIMUM SHOWN IN THE APPROVED MIX DESIGN. WATER IN EXCESS OF THIS AMOUNT WILL BE PERMITTED ONLY WITH THE APPROVAL OF THE ENGINEER. THE INDISCRIMINATE ADDITION OF WATER TO MIXER TRUCKS WILL NOT BE PERMITTED AND MAY BE GROUNDS FOR REJECTION. UNDER NO CIRCUMSTANCES SHALL THE WATER/CEMENT RATIO OF THE CONCRETE EXCEED THE MAXIMUM APPROVED FOR THE DESIGN MIX.

7 JOB SITE CONCRETE MONITORING AND CONTROL - THE CONTRACTOR SHALL DESIGNATE AN INDIVIDUAL TO MONITOR CONCRETE FOR EACH POUR. IF CONCRETE CONSISTENTLY ARRIVES AT THE SITE (3 TRUCKS OR MORE) WITH LESS THAN THE SPECIFIED MINIMUM SLUMP, THE DESIGNATED MONITOR SHALL NOTIFY THE BATCH PLANT SO THAT THE DOSAGE OF THE WATER REDUCING ADMIXTURE CAN BE ADJUSTED TO PROVIDE THE REQUIRED SLUMP. SIMILARLY, IF CONCRETE ARRIVES WITH A SLUMP IN EXCESS OF THE SPECIFIED MAXIMUM, THE MONITOR SHALL NOTIFY THE BATCH PLANT SO THAT THE DOSAGE OF THE WATER REDUCING ADMIXTURE CAN BE ADJUSTED TO REDUCE THE SLUMP.

8 AIR ENTRAINMENT IS NOT REQUIRED FOR STRUCTURAL CONCRETE.

9 REINFORCING STEEL SHALL BE ASTM/ANSI A615, GRADE 60. DETAILING, FABRICATION AND ERECTION OF REINFORCING BARS SHALL BE IN ACCORDANCE WITH THE AMERICAN CONCRETE INSTITUTE "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES," ACI 315.

10 CONCRETE CONSTRUCTION, INCLUDING MINIMUM REINFORCING STEEL COVERAGE BY CONCRETE, SHALL BE IN ACCORDANCE WITH THE AMERICAN CONCRETE INSTITUTE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE," ACI 318, UNLESS OTHERWISE NOTED.

11 PROVIDE SUPPORTS OR CHAIRS TO SUPPORT REBAR AT THE POSITIONS REQUIRED BY THE DRAWINGS. REINFORCEMENT FOR FOOTINGS SHALL BE SUPPORTED ON PRECAST CONCRETE BLOCKS OF A THICKNESS TO PROPERLY POSITION THE REBAR. BLOCKS SHALL BE PROVIDED AT 3'-0" MAXIMUM ON CENTERS.

REINFORCEMENT FOR GROUND SUPPORTED SLABS SHALL BE SUPPORTED ON PLASTIC BAR CHAIRS WITH PLASTIC SAND BASES AT A MAXIMUM OF 3'-0" ON CENTERS EACH WAY. DEPTH OF CHAIRS SHALL PROVIDE FOR THE TOP COVER OF CONCRETE SHOWN ON THE DRAWINGS. PROPER INSTALLATION OF SUPPORTS, INCLUDING HEIGHT AND SPACING, IS CRITICAL TO CONTROL OF CRACKING IN THE GROUND-SUPPORTED FLOOR SLABS. ACCEPTABLE PRODUCTS ARE COMPOSITE BAR CHAIRS WITH SAND PLATES AS MANUFACTURED BY GENERAL TECHNOLOGIES, OF STAFFORD, TEXAS; PLASTIC EZ CHAIR WITH PLASTIC SAND BASE, AS MANUFACTURED BY DAYTON SUPERIOR; AZTEC PCC CASTLE CHAIR, AS MANUFACTURED BY DAYTON SUPERIOR; OR AN APPROVED ALTERNATE. THE USE OF "PAVEMENT CHAIRS" WILL NOT BE PERMITTED FOR THE SUPPORT OF REBAR FOR SLABS. CHAIRS THAT ARE FOUND TO COLLAPSE, DEFORM, OVERTURN OR OTHERWISE FAIL TO ADEQUATELY SUPPORT AND POSITION REBAR UNDER WORKMEN TRAFFIC OR DURING CONSTRUCTION AND CONCRETE PLACEMENT SHALL BE REMOVED AND REPLACED WITH CHAIRS OF ADEQUATE STRENGTH AND STABILITY.

12 LAP CONTINUOUS UNSCHEDULED REINFORCING BARS 40 BAR DIAMETERS UNLESS OTHERWISE NOTED.

13 THERE SHALL BE NO HORIZONTAL CONSTRUCTION JOINTS EXCEPT WHERE SPECIFICALLY NOTED ON THESE DRAWINGS.

14 UNLESS OTHERWISE NOTED, PROVIDE #4 CORNER BARS WITH 2'-0" LEGS TO MATCH HORIZONTAL REINFORCING AT ALL WALL INTERSECTIONS.

15 THE CONTRACTOR SHALL ENSURE THAT ALL EMBEDDED ITEMS ARE DELIVERED TO THE SITE IN A TIMELY FASHION AND INSTALLED IN THE FORMWORK PRIOR TO PLACEMENT OF CONCRETE.

16 FIELD CUTTING OF REINFORCEMENT SHALL BE BY SHEARING OR SAWING. FIELD CUTTING OF REINFORCEMENT BY TORCH WILL BE PERMITTED ONLY WITH THE APPROVAL OF THE ENGINEER.

17 UNLESS OTHERWISE NOTED, ALL 90, 135 AND 180 DEGREE REINFORCING STEEL HOOKS SHALL BE STANDARD ACI HOOKS.

18 THE CONTRACTOR SHALL USE A TREMIE TO PLACE CONCRETE IN ALL AREAS WHERE THE FALL OF THE CONCRETE WILL EXCEED 5 FEET.

19 THE CONTRACTOR SHALL USE CARE TO PROPERLY VIBRATE AND CONSOLIDATE THE CONCRETE DURING PLACING OPERATIONS TO ENSURE GOOD DENSITY OF CONCRETE AND TO MINIMIZE SURFACE DEFECTS.

20 CHAMFER ALL EXPOSED EDGES 3/4 INCH.

21 FORMWORK FOR SURFACES TO BE EXPOSED TO VIEW IN THE FINISHED CONSTRUCTION SHALL BE SMOOTH, EITHER WOOD OR METAL. SMOOTH FORMS SHALL BE FREE OF RAISED GRAIN, TORN SURFACES, WORN EDGES, PATCHES, DENTS OR OTHER DEFECTS. STRENGTH OF FORMS SHALL BE SUCH THAT NO WARPING, BULGING OR BOWING OCCUR UNDER THE WEIGHT OF THE WET CONCRETE. JOINTS SHALL BE SMOOTH AND MORTAR TIGHT. FORMS WHICH DO NOT PRESENT A SMOOTH SURFACE OR LINE UP PROPERLY SHALL NOT BE USED. FORMS SHALL BE FREE OF RUST, GREASE OR OTHER FOREIGN SURFACES THAT MAY DISCOLOR THE FINISHED CONCRETE.

22 WALL TIES AT RETAINING WALLS SHALL BE FABRICATED SO THAT ENDS OR END FASTENERS CAN BE REMOVED WITHOUT CAUSING SPALLING OF FACE OF CONCRETE. TIES SHALL BE PROVIDED WITH A WATER SEAL FEATURE. REMOVE ENDS OF FORM TIES SUCH THAT THE EMBEDDED PORTION OF TIE IS AT LEAST 3/4 INCH FROM THE FORMED CONCRETE FACE. PATCH TIE HOLES IMMEDIATELY AFTER REMOVAL OF FORMS.

23 FORMS SHALL REMAIN IN PLACE FOR A MINIMUM OF 7 DAYS. IF DESIRED, FORMS MAY BE REMOVED UPON SATISFACTORY EVIDENCE THAT CONCRETE HAS ACHIEVED 75% OF ITS SPECIFIED 28 DAY STRENGTH AND PROVIDED THAT CONCRETE IS CURED USING WET COTTON MATS FOR THE REMAINDER OF THE 7 DAY CURING PERIOD.

CONCRETE JOINTS AND EMBEDDED ITEMS

1 CONCRETE BONDING AGENT - BONDING AGENTS SHALL BE USED TO BOND FRESH CONCRETE TO HARDENED CONCRETE. AGENT MAY BE A POLYVINYL ACETATE, ACRYLIC OR EPOXY ADHESIVE CONFORMING TO THE REQUIREMENTS OF ASTM C1059, TYPE 1, ASTM C884, ASTM C881 AND AASHTO M235.

2 WALL FOOTINGS SHALL BE PLACED MONOLITHICALLY. WALLS SHALL BE PLACED MONOLITHICALLY. IN THE EVENT THAT A WALL CONSTRUCTION JOINT IS REQUIRED, THE JOINT AND LOCATION SHALL BE APPROVED BY THE ENGINEER.

3 THERE SHALL BE NO HORIZONTAL CONSTRUCTION JOINTS EXCEPT WHERE SPECIFICALLY NOTED ON THESE DRAWINGS.

CONCRETE FINISHING

1 REPAIR OF SURFACE DEFECTS - DEFECTIVE AREAS SHALL BE REPAIRED IMMEDIATELY AFTER REMOVAL OF FORMS. HONEYCOMBED AND OTHER DEFECTIVE AREAS SHALL BE REMOVED DOWN TO SOUND CONCRETE. THE DEFECTIVE AND SURROUNDING AREA SHALL BE DAMPENED AND A BONDING GROUT APPLIED TO THE AREA. BONDING GROUT SHALL CONSIST OF APPROXIMATELY ONE PART CEMENT TO ONE PART FINE SAND PASSING A NO. 30 SIEVE. MIX GROUT TO THE CONSISTENCY OF A THICK CREAM AND BRUSH THOROUGHLY INTO THE SURFACE.

PATCHING MORTAR SHALL BE OF THE SAME MATERIALS AND APPROXIMATELY THE SAME PROPORTIONS AS CONCRETE EXCEPT THAT COARSE AGGREGATE SHALL BE OMITTED. PREPARE MORTAR WITH NO MORE THAN ONE PART CEMENT TO 2 1/2 PARTS SAND. USE WHITE PORTLAND CEMENT FOR PART OF THE GRAY CEMENT TO MIX A MORTAR OF A COLOR TO MATCH THE SURROUNDING CONCRETE. USE NO MORE WATER THAN NECESSARY AND MIX MORTAR TO THE STIFFEST CONSISTENCY THAT WILL PERMIT PLACING.

AFTER SURFACE WATER FROM THE BONDING GROUT HAS DISSAPATED, THOROUGHLY BRUSH PATCHING MORTAR INTO THE BONDING GROUT.

IN LIEU OF USE OF BONDING GROUT, A LATEX BONDING AGENT MAY BE USED.

2 ALL CONCRETE SURFACES EXPOSED TO VIEW SHALL RECEIVE A RUBBED FINISH.

WATERSTOPS

1 ALL WATERSTOPS SHALL BE PREFORMED PLASTIC SEALING TYPE WATERSTOP SUCH AS SYNKO-FLEX. PLASTIC SEALING TYPE WATERSTOP SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.

SEALANT

1 SEALANT AT JOINTS SHALL CONSIST OF POLYURETHANE BASED NON-SAG ELASTOMERIC SEALANT FOR USE IN WATER IMMERSION APPLICATIONS. SEALANT SHALL BE APPLIED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS, INCLUDING USE OF A PRIMER AS REQUIRED. AN ACCEPTABLE PRODUCT IS SIKAFLEX 1A SEALANT WITH SIKAFLEX PRIMER 429 AS MANUFACTURED BY SIKA CORPORATION.

ANCHORAGE OF REBAR INTO EXISTING CONCRETE

1 WHERE SHOWN ON THE DRAWINGS, REBAR ANCHORED INTO EXISTING CONCRETE SHALL BE DRILLED AND ANCHORED USING "HIT RE500 V3 ADHESIVE" OR "HIT-HY 200 ADHESIVE", AS MANUFACTURED BY HILTI, "SET XP ANCHORING ADHESIVE", FOR CONCRETE TEMPERATURES OF 50 DEGREES F, OR GREATER, OR "AT-XP ANCHORING ADHESIVE", FOR CONCRETE TEMPERATURES OF 14 TO 50 DEGREES, AS MANUFACTURED BY SIMPSON; OR "PURE 110+", AS MANUFACTURED BY DE WALT POWERS FASTENERS. NO ALTERNATES OR SUBSTITUTES WILL BE PERMITTED. ADHESIVE SHALL BE USED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. EXTRA CARE SHALL BE USED TO PROPERLY CLEAN HOLES PRIOR TO INSTALLATION OF ADHESIVE AND RODS. ADHESIVE SHALL COMPLETELY FILL THE HOLE AFTER INSTALLATION OF THE REBAR. SIZES AND MINIMUM EMBEDMENT LENGTHS SHALL BE AS SHOWN ON THE DRAWINGS.

GRAVITY ROCK WALLS

1 LIMESTONE BLOCK UNITS SHALL MEET THE FOLLOWING CRITERIA:

A UNIT SIZE: 8" (H) x 10" (W) x 18" (L)

B UNIT WEIGHT: 112.5 LBS/UNIT MINIMUM

C UNIT INTEGRITY: USE COMPETENT UNITS ONLY. DAMAGED, CRACKED OR HIGHLY WEATHERED STONE SHALL NOT BE USED AND WILL NOT BE PERMITTED.

D REFERENCE PROJECT ARCHITECT AND OWNER FOR TYPE AND COLOR OF ROCK TO BE USED FOR THE GRAVITY ROCK RETAINING WALLS.

2 LIMESTONE BLOCK UNITS SHALL CONFORM TO THE FOLLOWING CONSTRUCTABILITY AND TOLERANCE REQUIREMENTS:

A VERTICAL SETBACK: AS SHOWN IN DRAWINGS

B VERTICAL ALIGNMENT: +/- 1.5" OVER ANY 10' DISTANCE.

C HORIZONTAL ALIGNMENT: +/- 1.5" OVER ANY 10' DISTANCE.

D CORNERS, BENDS & CURVES: +/- 6 INCHES OF THEORETICAL LOCATION.

E MAXIMUM HORIZONTAL GAP BETWEEN ERECTED UNITS SHALL BE LESS THAN 3/4".

3 MORTAR FOR LIMESTONE BLOCKS SHALL BE ASTM C270 TYPE S PROPORTIONED BY VOLUME. PORTLAND CEMENT SHALL BE ASTM C150 TYPE I. SAND SHALL COMPLY WITH ASTM C144, STANDARD MASONRY TYPE. HYDRATED LIME SHALL BE ASTM C207, TYPE S. THOROUGHLY MIX MORTAR INGREDIENTS IN QUANTITIES NEEDED FOR IMMEDIATE USE, IN ACCORDANCE WITH ASTM C270. THE ADDITION OF ANTI-FREEZE COMPOUNDS IS STRICTLY FORBIDDEN. INSTALL MORTAR IN ACCORDANCE WITH ASTM C780. PROVIDE 3/8" CONCAVE TOOLED JOINTS AT ALL EXPOSED FACES. REFERENCE OWNER FOR COLOR OF MORTAR TO BE USED.

4 FULLY MORTAR ALL BED JOINTS AND HEAD JOINTS (EXCEPT AT WEEP LOCATIONS) TO FULL DEPTH OF BLOCK.

5 REFERENCE FOUNDATION NOTES ABOVE FOR SUBGRADE PREPARATION AND BACKFILL REQUIREMENTS FOR THE ROCK GRAVITY WALLS.

6 FIRST COURSE OF UNITS SHALL BE PLACED ON THE LEVELING PAD AT THE APPROPRIATE LINE AND GRADE. ALIGNMENT AND LEVEL SHALL BE CHECKED IN ALL DIRECTIONS AND INSURE THAT ALL UNITS ARE IN FULL CONTACT WITH THE BASE AND PROPERLY SEATED.

7 PLACE THE FRONT OF UNITS SIDE BY SIDE. DO NOT LEAVE GAPS BETWEEN ADJACENT UNITS. WHERE REQUIRED AT CURVES IN WALL, CHIP SIDES OF BLOCKS AS NECESSARY TO MAINTAIN 3/4" VERTICAL JOINT BETWEEN BLOCKS. LAYOUT OF CORNERS AND CURVES SHALL BE IN ACCORDANCE WITH THESE DRAWINGS.

8 MAXIMUM STACKED VERTICAL HEIGHT OF LIMESTONE BLOCK UNITS, PRIOR TO BACKFILL PLACEMENT AND COMPACTION, SHALL NOT EXCEED TWO FEET.

9 AT THE END OF EACH DAY'S OPERATION, THE CONTRACTOR SHALL SLOPE THE LAST LIFT OF REINFORCED BACKFILL AWAY FROM THE WALL UNIT TO DIRECT RUNOFF FORM THE WALL FACES. THE CONTRACTOR SHALL NOT ALLOW SURFACE RUNOFF FROM ADJACENT AREAS TO ENTER THE WALL CONSTRUCTION SITE.

FILTER FABRIC

1 FILTER FABRIC SHALL CONSIST OF NON-WOVEN POLYPROPYLENE FIBERS WITH THE FOLLOWING PROPERTIES.

A GRAB TENSILE STRENGTH OF 120 POUNDS AND ELONGATION AT ULTIMATE STRENGTH OF 50% IN ACCORDANCE WITH ASTM D 4632.

B MULLEN BURST STRENGTH OF 225 PSI IN ACCORDANCE WITH ASTM D 3786.

C TRAPEZOIDAL TEAR STRENGTH OF 50 POUNDS IN ACCORDANCE WITH ASTM D 4355.

D PUNCTURE STRENGTH OF 65 POUNDS IN ACCORDANCE WITH ASTM D 4833.

E RETAINAGE OF 70% OF STRENGTH AFTER 500 HOURS OF EXPOSURE TO ULTRAVIOLET LIGHT IN ACCORDANCE WITH ASTM D 4355.

F APPARENT OPENING SIZE OF 0.212 MILLIMETER, OR US SIEVE 70, PER ASTM D 4751.

G FLOW RATE OF 135 GALLONS PER MINUTE PER SQUARE FOOT IN ACCORDANCE WITH ASTM D 4491.

2 ACCEPTABLE PRODUCT IS MIRAFI 140N NON-WOVEN POLYPROPYLENE GEOTEXTILE FABRIC AS MANUFACTURED BY TC MIRAFI, INC., PENDERGRASS, GEORGIA, OR APPROVED EQUAL.

SUBMITTALS

THE FOLLOWING ITEMS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW. WORK ASSOCIATED WITH THESE ITEMS SHALL NOT COMMENCE UNTIL THE SUBMITTALS HAVE BEEN REVIEWED AND RETURNED BY THE ENGINEER. THE CONTRACTOR SHALL SUBMIT THE FOLLOWING:

1 TEST DATA AND MIX DESIGNS FOR EACH TYPE AND STRENGTH OF CONCRETE SPECIFIED.

2 REINFORCING STEEL SHOP DRAWINGS DETAILING REINFORCEMENT FABRICATION AND BAR PLACEMENT. SHOP DRAWINGS SHALL CLEARLY INDICATE THE LOCATION, SIZE, SPACING, SPLICES AND PIECEMARK FOR ALL REINFORCING STEEL. THE SHOP DRAWINGS SHALL PROVIDE SUFFICIENT DETAIL TO PERMIT PLACEMENT OF REINFORCEMENT WITHOUT THE USE OF THE DESIGN DRAWINGS. THE SHOP DRAWINGS SHALL INCLUDE A COMPLETE BILL OF MATERIALS FOR ALL REINFORCING STEEL. FABRICATION OF REINFORCING STEEL SHALL NOT COMMENCE UNTIL THE ENGINEER HAS COMPLETED THE REVIEW OF THE SHOP DRAWINGS.

3 PROPOSED LAYOUT AND LOCATION OF CONCRETE CONSTRUCTION AND CONTROL JOINTS.

4 PROPOSED METHOD OF CONCRETE CURING AND PRODUCT DATA FOR ANY CURING COMPOUNDS PROPOSED FOR USE ON THE PROJECT.

5 LABORATORY TEST REPORT CERTIFYING THAT THE BACKFILL MATERIAL PROPOSED FOR THE PROJECT MEETS THE REQUIREMENTS SPECIFIED IN THESE CONSTRUCTION DOCUMENTS.

6 LABORATORY TEST RESULTS FOR CONCRETE CYLINDER COMPRESSION TESTS AND SUBGRADE AND FILL COMPACTION TESTS.

7 SUBMIT ACTUAL SAMPLES, FOR THE APPROVAL OF THE OWNER AND ENGINEER, OF EACH TYPE OF STONE PROPOSED FOR USE IN CONSTRUCTION OF THE WALLS TO ILLUSTRATE THE COLOR, TEXTURE AND QUALITY OF THE STONE.

TESTING LABORATORY REQUIREMENTS

THE OWNER SHALL SECURE THE SERVICES OF A COMMERCIAL TESTING LABORATORY TO PERFORM ALL REQUIRED MATERIALS TESTS AND INSPECTIONS.

1 ONE SET OF CONCRETE TEST CYLINDERS SHALL BE OBTAINED FOR EVERY 50 CUBIC YARDS OF CONCRETE PLACED, OR ANY PORTION THEREOF PLACED IN A SINGLE DAY, AS FOLLOWS:

A FIVE (5) CONCRETE TEST CYLINDERS SHALL BE MOLDED FROM EACH SAMPLE AND CURED ACCORDING TO ASTM C 31. COMPRESSIVE TESTS SHALL BE PERFORMED ON ONE CYLINDER AT 7 DAYS AND THREE CYLINDERS AT 28 DAYS. THE FIFTH CYLINDER SHALL BE RETAINED FOR 56 DAYS AND TESTED ONLY IF THE AVERAGE STRENGTH OF THE 28 DAYS TESTS DO NOT MEET THE MINIMUM REQUIRED COMPRESSIVE STRENGTH.

B A SLUMP TEST AND TEMPERATURE MEASUREMENT SHALL BE PERFORMED FOR EACH SAMPLE.

C COMPUTATION OF WATER/CEMENT RATIO, AS REQUIRED OR DIRECTED BY THE ENGINEER.

2 ADDITIONAL CYLINDERS MAY BE MADE AND TESTED, AS NECESSARY, FOR ACCELERATED REMOVAL OF FORMS OR ERECTION OF MEMBERS TO VERIFY THAT NECESSARY STRENGTHS HAVE BEEN OBTAINED. SUCH CYLINDERS SHALL BE MADE AT THE CONTRACTOR'S EXPENSE.

3 APPROPRIATE TESTS SHALL BE PERFORMED TO CERTIFY THAT THE BACKFILL MATERIAL PROPOSED FOR USE IN THE CONSTRUCTION IS ACCEPTABLE.

4 FIELD DENSITY TESTS SHALL BE PERFORMED ON THE SUBGRADE AND EACH LIFT OF FILL MATERIAL. ONE DENSITY TEST WILL BE REQUIRED FOR EACH 5,000 SQUARE FEET, BUT NOT LESS THAN THREE (3) TESTS PER LIFT.

5 REINFORCED CONCRETE CONSTRUCTION - SERVICES ARE TO BE PROVIDED AS FOLLOWS:

A INSPECT EXCAVATIONS AND SUBGRADE PREPARATIONS FOR THE WALL FOOTINGS.

B INSPECT REINFORCING STEEL PLACEMENT PRIOR TO CONCRETE POURS.

6 GRAVITY ROCK WALL CONSTRUCTION - PERFORM THE FOLLOWING INSPECTIONS:

A INSPECT EXCAVATIONS AND SUBGRADE PREPARATIONS FOR THE WALL FOOTINGS.

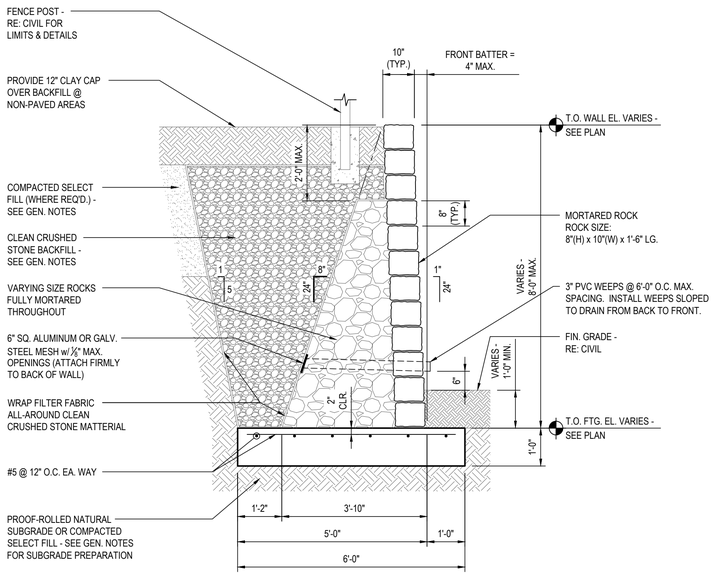
B VERIFY THE SIZE AND QUANTITIES OF STONE BLOCKS.

C VERIFY THE DRAINAGE LAYER, FILTER FABRIC, AND WEEPS FOR THE GRAVITY ROCK WALLS ARE INSTALLED PER THESE DRAWINGS.

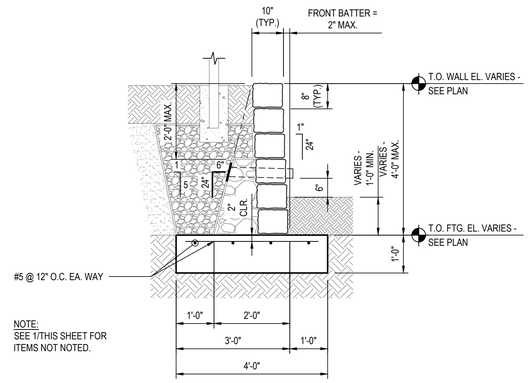
D VERIFY VOLUMETRIC PROPORTIONS FOR MORTAR.

7 THE CONTRACTOR SHALL COOPERATE AND COORDINATE FULLY WITH THE TESTING LABORATORY.

8 IN THE EVENT THAT CONCRETE ELEMENTS OR MEMBERS DO NOT ACHIEVE THE SPECIFIED MINIMUM COMPRESSIVE STRENGTHS, THE ENGINEER MAY REQUIRE ADDITIONAL ANALYSIS, TESTING OR REMOVAL AND REPLACEMENT OF MEMBERS. ANY AND ALL SUCH ADDITIONAL ANALYSIS OR TESTING SHALL BE AT THE CONTRACTOR'S EXPENSE, WHETHER SUCH ANALYSIS OR TESTING DEMONSTRATES ADEQUATE STRENGTH OR NOT. REPLACEMENT OF ANY MEMBER



8' TALL
1 GRAVITY ROCK WALL SECTION
1/2" = 1'-0"



4' TALL
2 GRAVITY ROCK WALL SECTION
1/2" = 1'-0"

LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
LEANDER TEXAS
SD-__-____

LEANDER I.S.D.
204 W. SOUTH ST.
LEANDER TEXAS

Pickett, Kelm & Associates, Inc.
Consulting Structural Engineers
4100 Duval Road, Bldg. 4, Suite 103
Austin, Texas 78759 Phone: 512-345-5538
Texas Registration No. F-1491

REVISION NO.	DATE	DESCRIPTION

STATE OF TEXAS
DAVID M. COLE
103902
LICENSED
STRUCTURAL ENGINEER
12/19/2025

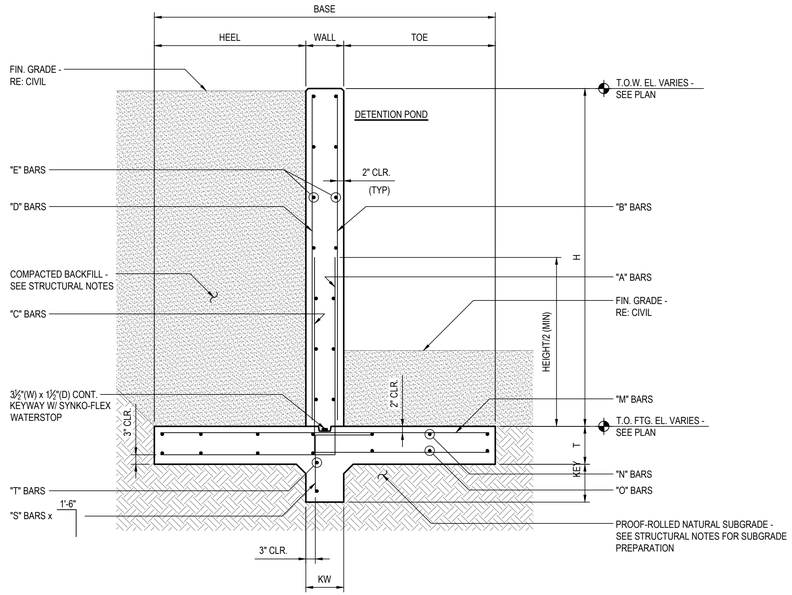
FOR PERMITTING ONLY
THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF PERMITTING ONLY, UNDER THE AUTHORITY OF:
NAME: DAVID M. COLE
P.E. No: 103902
DATE: 12/19/2025
AND IS NOT INTENDED TO BE USED FOR CONSTRUCTION PURPOSES.

811 Know what's **below.** **Call** before you dig.

THE INFORMATION SHOWN ON THESE DRAWINGS INDICATING SIZE, TYPE AND LOCATION OF UNDERGROUND, SURFACE, AND AERIAL UTILITIES IS NOT GUARANTEED TO BE EXACT OR COMPLETE. THE CONTRACTOR SHALL CONTACT THE CITY OF LEANDER AREA "ONE CALL" SYSTEM AT 1-800-344-8377 (DIG TESS) 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION FOR EXISTING UTILITY LOCATIONS. THE CONTRACTOR SHALL ALSO BE FULLY RESPONSIBLE FOR FIELD VERIFYING LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES AFFECTED BY CONSTRUCTION FOR THIS PROJECT IN ORDER TO AVOID DAMAGING THOSE UTILITIES, AND SHALL IMMEDIATELY ARRANGE FOR REPAIR AND RESTORATION OF CONTRACTOR- DAMAGED UTILITIES TO THE UTILITY COMPANY'S APPROVAL AT THE EXPENSE OF THE CONTRACTOR.

PROJECT NO.:	030-6522
ISSUED:	12/19/2025
DRAWN BY:	
CHECKED BY:	
SCALE:	

SHEET TITLE **S3.1**
SECTIONS

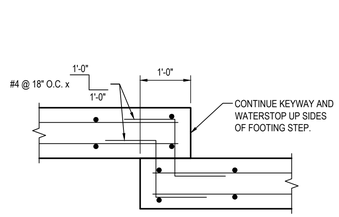


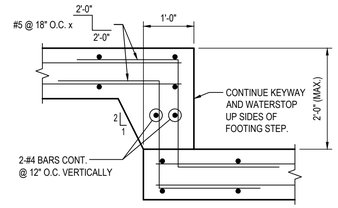
CONCRETE RETAINING WALL SCHEDULE

CONCRETE DIMENSIONS								REINFORCING STEEL									
MAX H	BASE	TOE	WALL	HEEL	T	KEY	KW	"A" BARS *	"B" BARS *	"C" BARS *	"D" BARS *	"E" BARS	"M" BARS	"N" BARS	"O" BARS	"S" BARS	"T" BARS
7.0'	6'-0"	1'-6"	10"	3'-8"	1'-0"	-	-	#5@8"	#4@16"	#4@8"	#4@16"	#4@16"	#4@8"	5-#4	5-#4	-	-
5.0'	4'-3"	1'-0"	10"	2'-5"	1'-0"	-	-	#4@12"	-	#4@12"	-	#4@16"	#4@12"	4-#4	4-#4	-	-

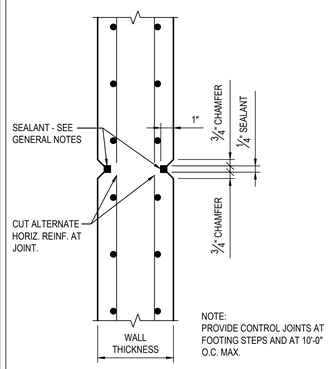
* WHERE "B" BARS & "D" BARS ARE OMITTED, EXTEND "A" BARS & "C" BARS TO TOP OF WALL

1 SECTION
1/2" = 1'-0"





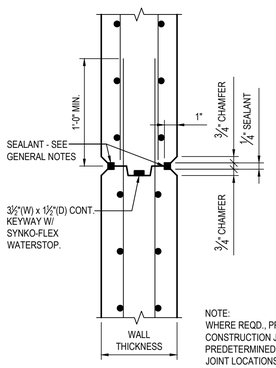
STEPPED FOOTING DETAILS
2 TYPICAL DETAIL
NOT TO SCALE



NOTE:
PROVIDE CONTROL JOINTS AT FOOTING STEPS AND AT 10'-0" O.C. MAX.

PLAN

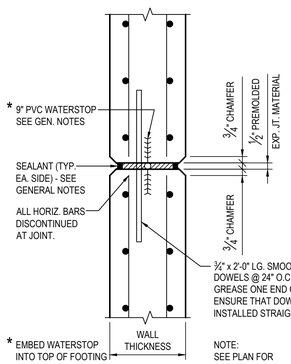
3 WALL CONTROL JOINT
TYPICAL DETAIL
NOT TO SCALE



NOTE:
WHERE REQD., PROVIDE CONSTRUCTION JOINTS AT PREDETERMINED CONTROL JOINT LOCATIONS.

PLAN

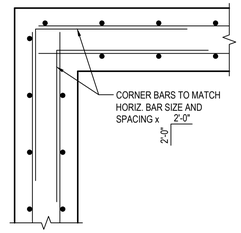
4 WALL CONSTRUCTION JOINT
TYPICAL DETAIL
NOT TO SCALE



NOTE:
SEE PLAN FOR APPROXIMATE LOCATION OF EXPANSION JOINTS.

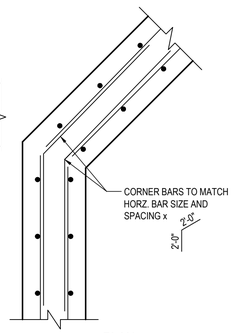
PLAN

5 WALL EXPANSION JOINT
TYPICAL DETAIL
NOT TO SCALE



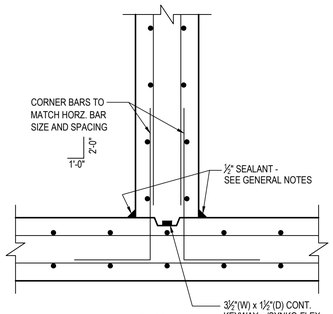
PLAN

6 WALL CORNER
TYPICAL DETAIL
NOT TO SCALE



PLAN

7 WALL CORNER
TYPICAL DETAIL
NOT TO SCALE



PLAN

8 WALL INTERSECTION
TYPICAL DETAIL
NOT TO SCALE

811 Know what's below. Call before you dig.

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FOR PERMITTING ONLY

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF PERMITTING ONLY, UNDER THE AUTHORITY OF:
NAME: DAVID M. COLE
P.E. No: 103902
DATE: 12/19/2025

AND IS NOT INTENDED TO BE USED FOR CONSTRUCTION PURPOSES.

LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
LEANDER TEXAS
SD- _ - ____

LEANDER I.S.D.
204 W. SOUTH ST.
LEANDER TEXAS

Pickett, Kelm & Associates, Inc.
Consulting Structural Engineers
4100 Duval Road, Bldg. 4, Suite 103
Austin, Texas 78759 Phone: 512-345-5538
Texas Registration No. F-1491

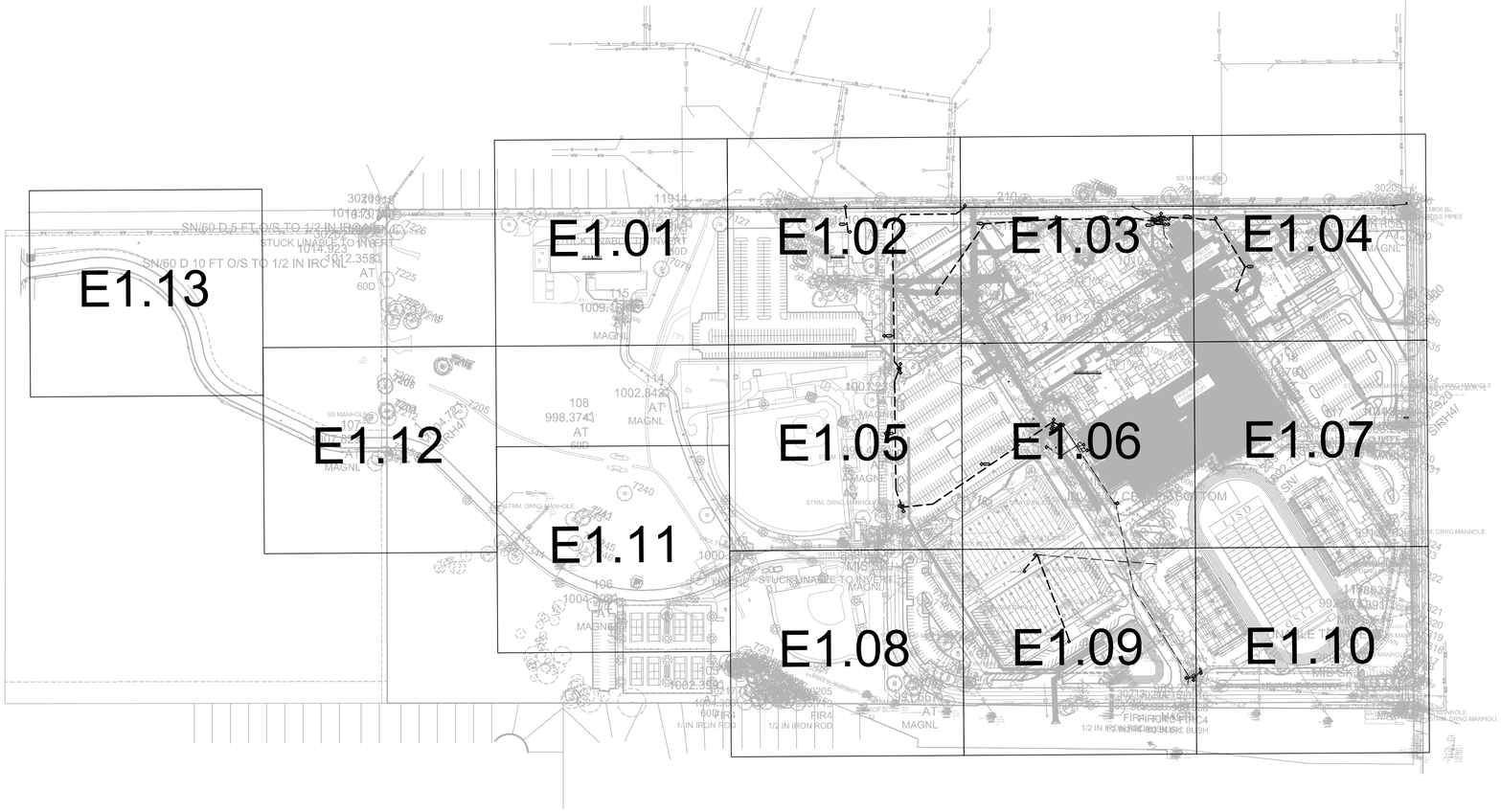
REVISION

NO.	DATE	DESCRIPTION

STATE OF TEXAS
DAVID M. COLE
103902
LICENSED
STRUCTURAL ENGINEER
12/19/2025

PROJECT NO.:	030-6522
ISSUED:	12/19/2025
DRAWN BY:	
CHECKED BY:	
SCALE:	

SHEET TITLE S3.2
SECTIONS & TYPICAL DETAILS



GENERAL NOTES

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TRUE NORTH

PLAN NORTH

1 SITE PLAN - ELECTRICAL OVERALL
SCALE: 1" = 200'-0"

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LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
LEANDER TEXAS
SD-__-__

LEANDER I.S.D.
204 W. SOUTH ST.
LEANDER TEXAS

MEP ENGINEERING
AUSTIN 1120 S Capital of Texas Hwy | Building 1, Suite 150 | Austin, TX 78746
SAN ANTONIO 8830 Colesmade Blvd | Suite 220 | San Antonio, TX 78230
TBPE Firm #18160 | TBAE Firm #14742

REVISION NO.	DATE	DESCRIPTION

12/19/2025
STATE OF TEXAS
ALEXANDER P. SIMKO
100334
LICENSED PROFESSIONAL ENGINEER

PERMIT SET

PROJECT NO.:	25494
ISSUED:	12/19/2025
DRAWN BY:	DRN
CHECKED BY:	CHK
SCALE:	1" = 200'-0"

SHEET TITLE
SITE PLAN - ELECTRICAL OVERALL
2-E1.00

FILE NAME: P:\1 Projects - D\25494 LISD LHS Phase 2\1 Dwgs\Phase 2\25494 E1 ELEC Site Plan.dwg DATE: December 20, 2025, TIME: 1:28 PM, USER: dprice

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LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
LEANDER TEXAS
SD-_-____

LEANDER I.S.D.
204 W. SOUTH ST.
LEANDER TEXAS

MEP ENGINEERING
AUSTIN 1120 S Capital of Texas Hwy | Building 1, Suite 150 | Austin, TX 78746
SAN ANTONIO 9830 Colonnade Blvd | Suite 220 | San Antonio, TX 78230
TEXAS REGISTERED ENGINEERING FIRM F-4412

REVISION		
NO.	DATE	DESCRIPTION

12/19/2025
STATE OF TEXAS
ALEXANDER P. SIMKO
100334
LICENSED
PROFESSIONAL ENGINEER

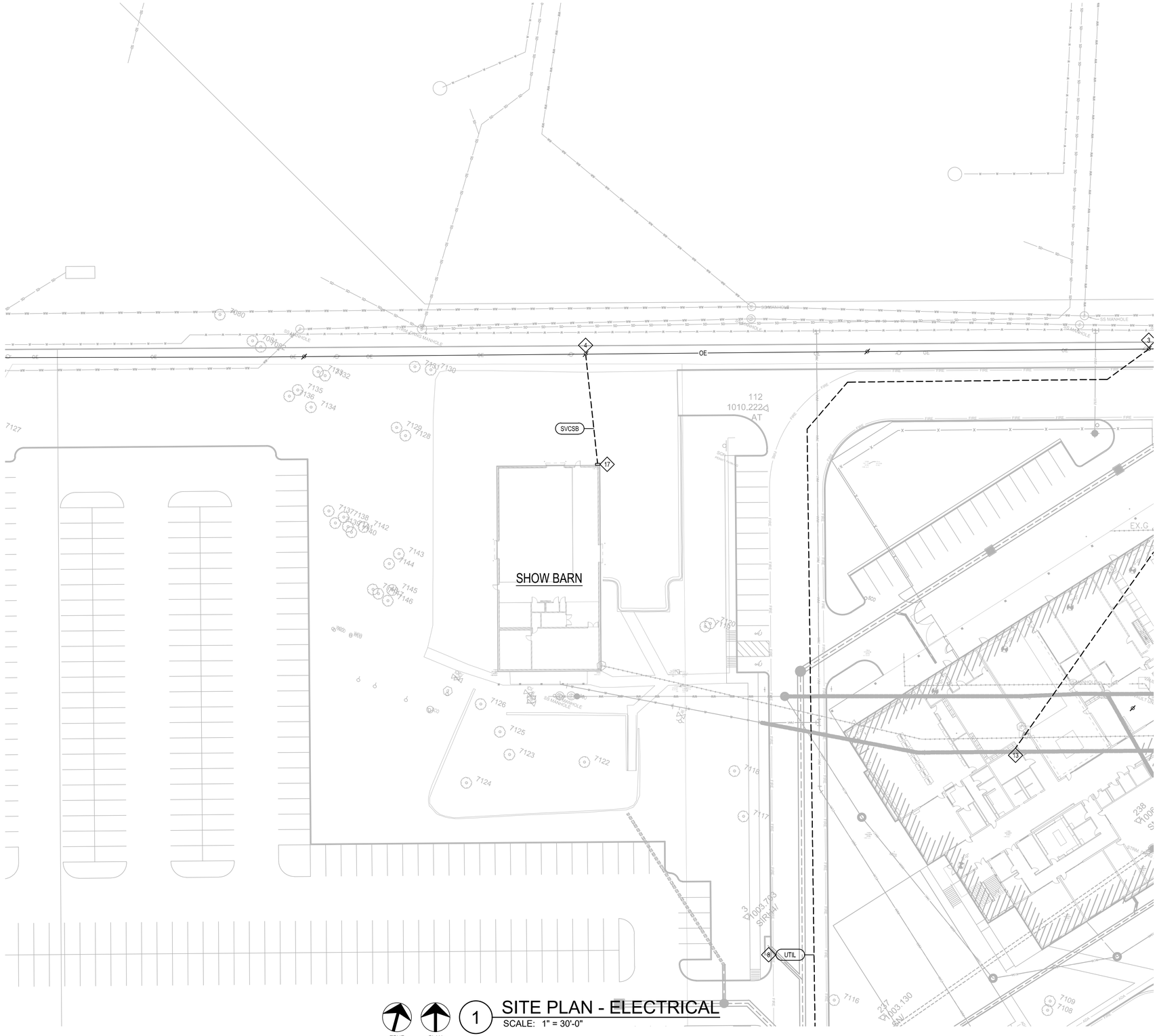
PERMIT SET

PROJECT NO.:	25494
ISSUED:	12/19/2025
DRAWN BY:	DRN
CHECKED BY:	CHK
SCALE:	1" = 30'-0"

SHEET TITLE

SITE PLAN - ELECTRICAL
2-E1.01

FILE NAME: P:\1 Projects - D\25494 LISD LHS Phase 2\1 Dwgs\Phase 2\25494 E1 ELEC Site Plan.dwg DATE: December 20, 2025, TIME: 1:28 PM, USER: dprice



1 SITE PLAN - ELECTRICAL
SCALE: 1" = 30'-0"

TRUE NORTH

PLAN NORTH

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SD- -

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SAN ANTONIO 9830 Colonnade Blvd | Suite 220 | San Antonio, TX 78230
TBAE REGISTERED ENGINEERING FIRM #4412

REVISION NO.	DATE	DESCRIPTION

12/19/2025
STATE OF TEXAS
ALEXANDER P. SIMKO
100334
LICENSED PROFESSIONAL ENGINEER

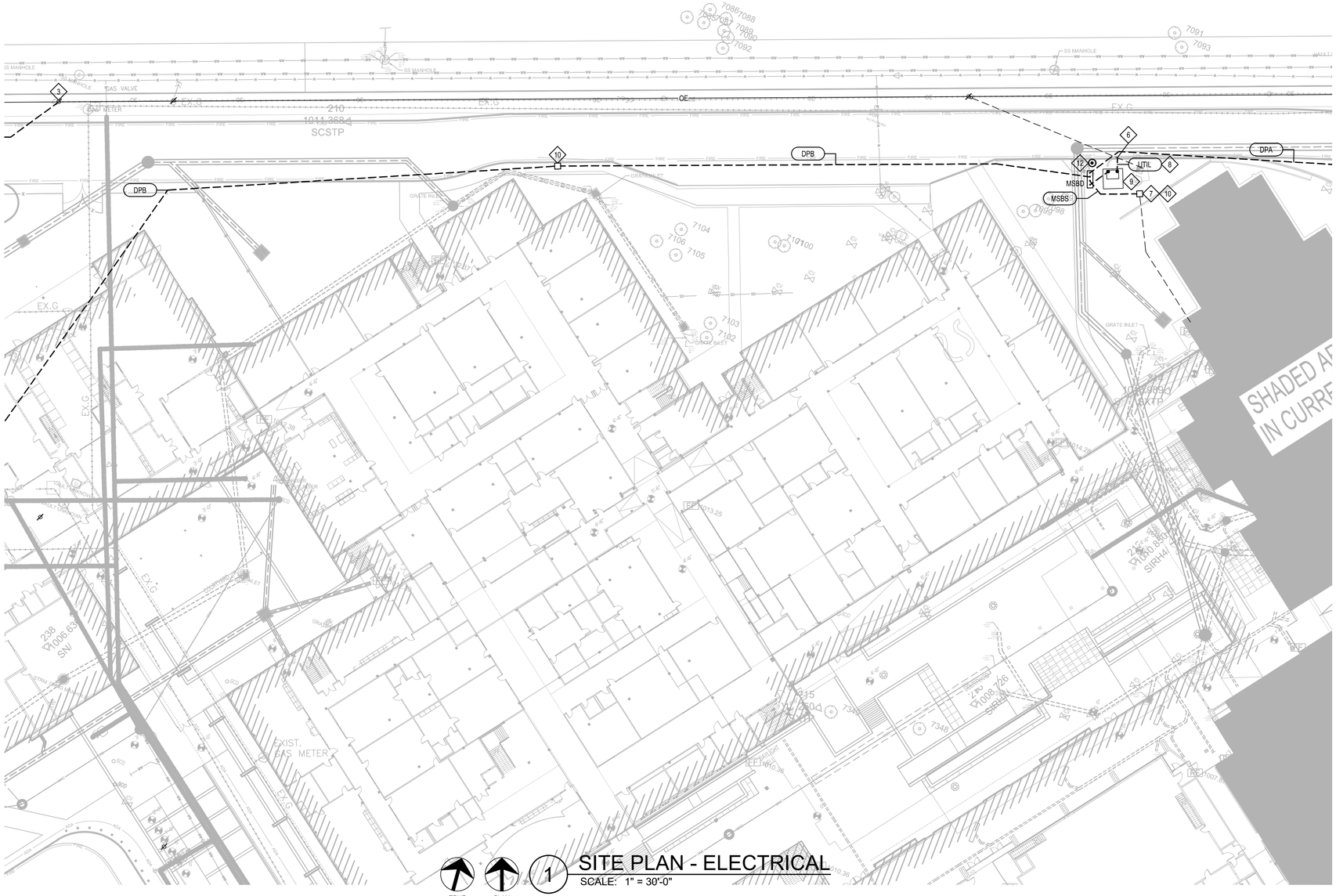
PERMIT SET

PROJECT NO.:	25494
ISSUED:	12/19/2025
DRAWN BY:	DRN
CHECKED BY:	CHK
SCALE:	1" = 30'-0"

SHEET TITLE
SITE PLAN - ELECTRICAL
2-E1.02

93 OF 104

FILE NAME: P:\1 Projects - D\25494 LISD LHS Phase 2\1 Dwgs\Phase 2\25494 E1 ELEC Site Plan.dwg DATE: December 20, 2025, TIME: 1:28 PM, USER: dprice



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TRUE NORTH

PLAN NORTH

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8. INSTALL UNDERGROUND PRIMARY WORK PER UTILITY COMPANY REQUIREMENTS.
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12. 60-FOOT DEEP EARTH GROUND PER SPECIFICATION 26 05 26. INSTALL TEST WELL IN-GROUND BOX. BOND GROUND ROD PER GROUNDING ELECTRODE SYSTEM SCHEMATIC IN PHASE 2A DRAWINGS.
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16. EXISTING UTILITY SECTIONALIZING ENCLOSURE TO REMAIN.
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18. EXISTING MAIN BUILDING DISCONNECT.
19. SPARE PRIMARY CONDUITS.

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LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
LEANDER TEXAS
SD- -

LEANDER I.S.D.
204 W. SOUTH ST.
LEANDER TEXAS

MEP ENGINEERING
AUSTIN 1120 S Capital of Texas Hwy | Building 1, Suite 150 | Austin, TX 78746
SAN ANTONIO 9830 Colonnade Blvd | Suite 220 | San Antonio, TX 78230
TBAE REGISTERED ENGINEERING FIRM #4412

REVISION		
NO.	DATE	DESCRIPTION

12/19/2025
STATE OF TEXAS
ALEXANDER P. SIMKO
100334
LICENSED PROFESSIONAL ENGINEER

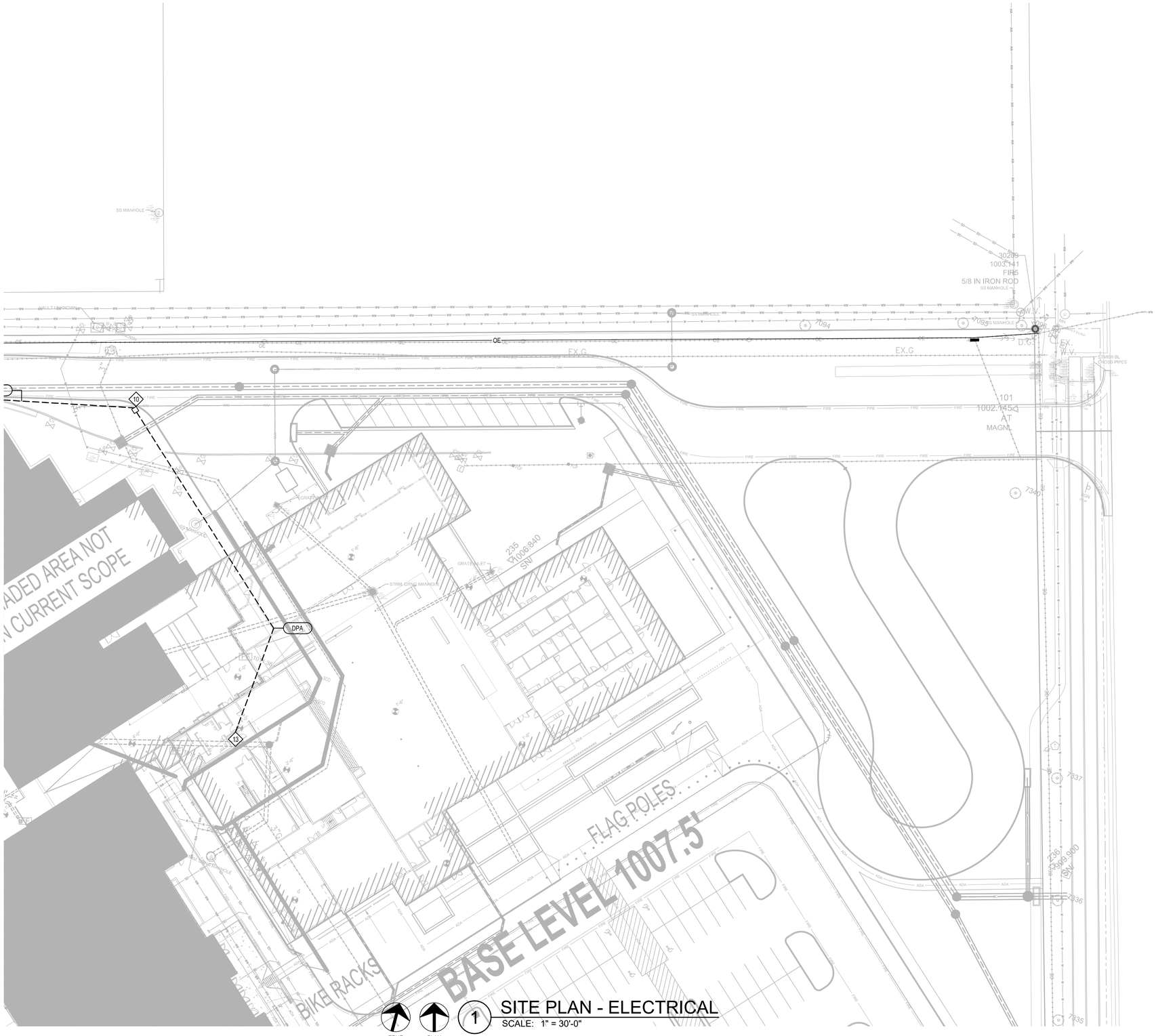
PERMIT SET

PROJECT NO.:	25494
ISSUED:	12/19/2025
DRAWN BY:	DRN
CHECKED BY:	CHK
SCALE:	1" = 30'-0"

SHEET TITLE
SITE PLAN - ELECTRICAL
2-E1.03

94 OF 104

FILE NAME: P:\1 Projects - D\25494 LISD LHS Phase 2\1 Dwgs\Phase 2\25494 E1 ELEC Site Plan.dwg DATE: December 20, 2025, TIME: 1:29 PM, USER: dprice



GENERAL NOTES

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TRUE NORTH

PLAN NORTH

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SCALE: 1" = 30'-0"

LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
LEANDER TEXAS
SD- -

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SAN ANTONIO 9830 Colonnade Blvd | Suite 220 | San Antonio, TX 78230
TBPE Firm #18160 | TBAE Firm #BR 2443

REVISION

NO.	DATE	DESCRIPTION

12/19/2025
STATE OF TEXAS
ALEXANDER P. SIMKO
100334
LICENSED
PROFESSIONAL ENGINEER

PERMIT SET

PROJECT NO.:	25494
ISSUED:	12/19/2025
DRAWN BY:	DRN
CHECKED BY:	CHK
SCALE:	1" = 30'-0"

SHEET TITLE

SITE PLAN - ELECTRICAL
2-E1.04

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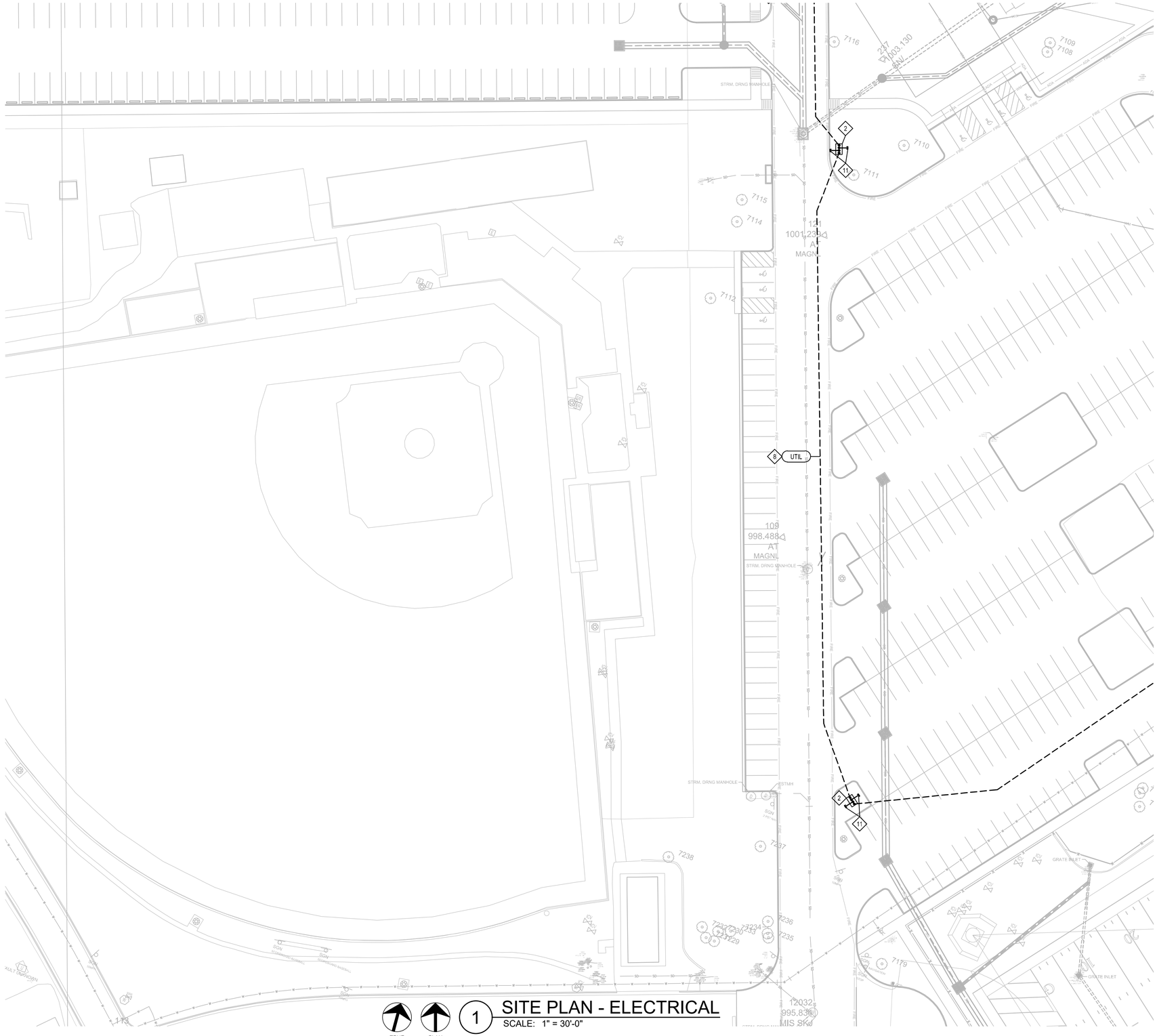

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TRUE NORTH

PLAN NORTH

1 SITE PLAN - ELECTRICAL
SCALE: 1" = 30'-0"

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LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
LEANDER TEXAS
SD- -

LEANDER I.S.D.
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LEANDER TEXAS

MEP ENGINEERING
AUSTIN 1120 S Capital of Texas Hwy | Building 1, Suite 150 | Austin, TX 78746
SAN ANTONIO 9830 Colonnade Blvd | Suite 220 | San Antonio, TX 78230
TBAE REGISTERED ENGINEERING FIRM 4242

REVISION		
NO.	DATE	DESCRIPTION

12/19/2025
STATE OF TEXAS
ALEXANDER P. SIMKO
100334
LICENSED PROFESSIONAL ENGINEER

PERMIT SET

PROJECT NO.:	25494
ISSUED:	12/19/2025
DRAWN BY:	DRN
CHECKED BY:	CHK
SCALE:	1" = 30'-0"

SHEET TITLE

SITE PLAN - ELECTRICAL

2-E1.05

FILE NAME: P:\1 Projects - D\25494 LISD LHS Phase 2\1 Dwgs\Phase 2\25494 E1 ELEC Site Plan.dwg DATE: December 20, 2025, TIME: 1:29 PM, USER: dprice

1 SITE PLAN - ELECTRICAL
SCALE: 1" = 30'-0"

TRUE NORTH

PLAN NORTH

GENERAL NOTES

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SAN ANTONIO 8830 Colonnade Blvd | Suite 220 | San Antonio, TX 78230
TBPE Firm #18109 TBAE Firm #20412

REVISION		
NO.	DATE	DESCRIPTION

12/19/2025
STATE OF TEXAS
ALEXANDER P. SIMKO
100334
LICENSED
PROFESSIONAL ENGINEER

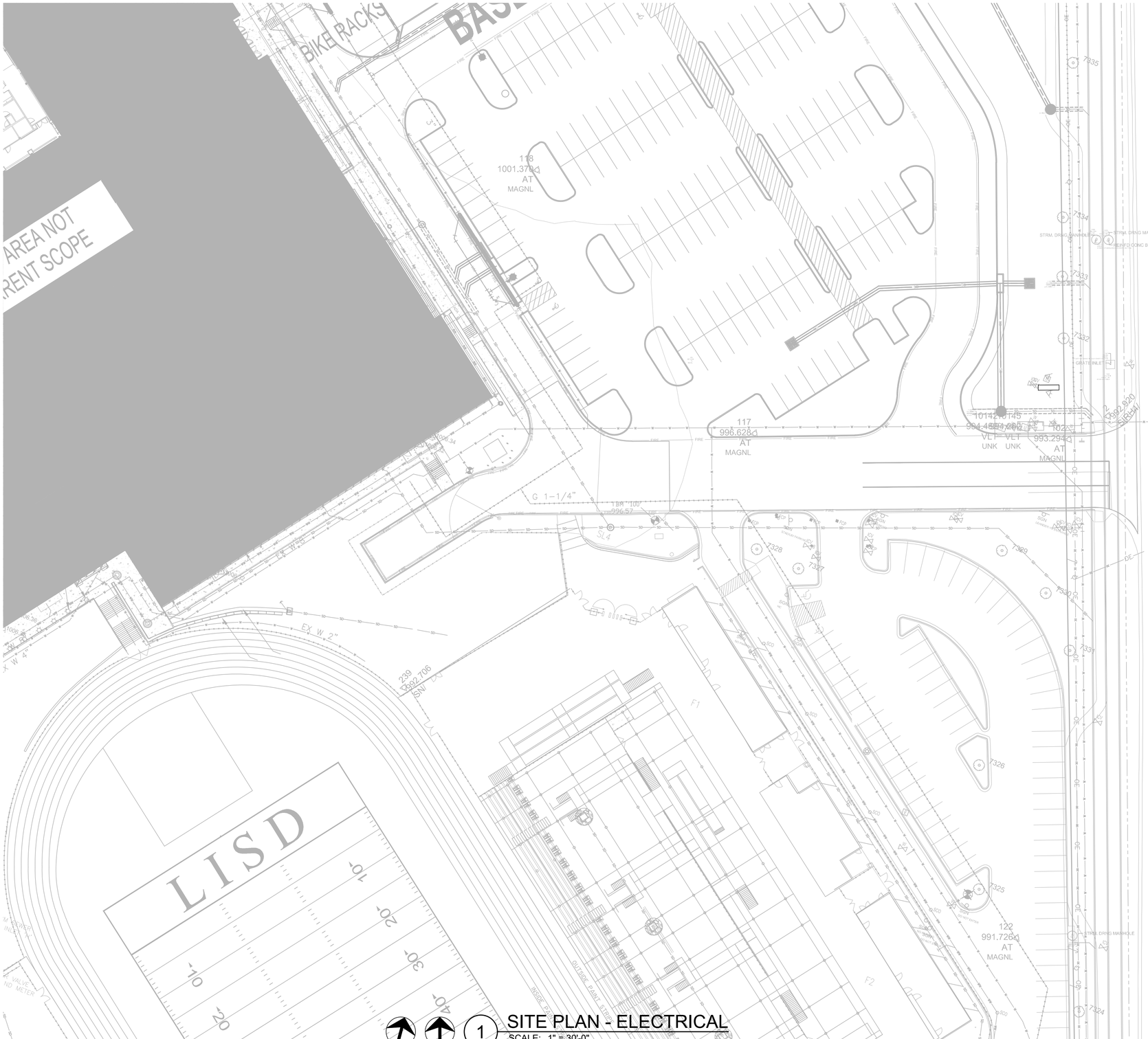
PERMIT SET

PROJECT NO.:	25494
ISSUED:	12/19/2025
DRAWN BY:	DRN
CHECKED BY:	CHK
SCALE:	1" = 30'-0"

SHEET TITLE
SITE PLAN - ELECTRICAL
2-E1.06

97 OF 104

FILE NAME: P:\1 Projects - D\25494 LISD LHS Phase 2\1 Dwgs\Phase 2\25494 E1 ELEC Site Plan.dwg DATE: December 20, 2025, TIME: 1:29 PM, USER: dprice



TRUE NORTH

PLAN NORTH

1 SITE PLAN - ELECTRICAL

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5. FOR COACHES' STAND OR BAND TOWER. 30A2PNFN3R DISCONNECT SWITCH AND 2#6,#10GND. MAKE CONNECTION TO EXISTING BRANCH CIRCUIT AT HANDHOLE.
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16. EXISTING UTILITY SECTIONALIZING ENCLOSURE TO REMAIN.
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LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
LEANDER TEXAS
SD- -

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SAN ANTONIO 9830 Colonnade Blvd | Suite 220 | San Antonio, TX 78230
TBPE Firm #18519 | TBAE Firm #21442

REVISION		
NO.	DATE	DESCRIPTION

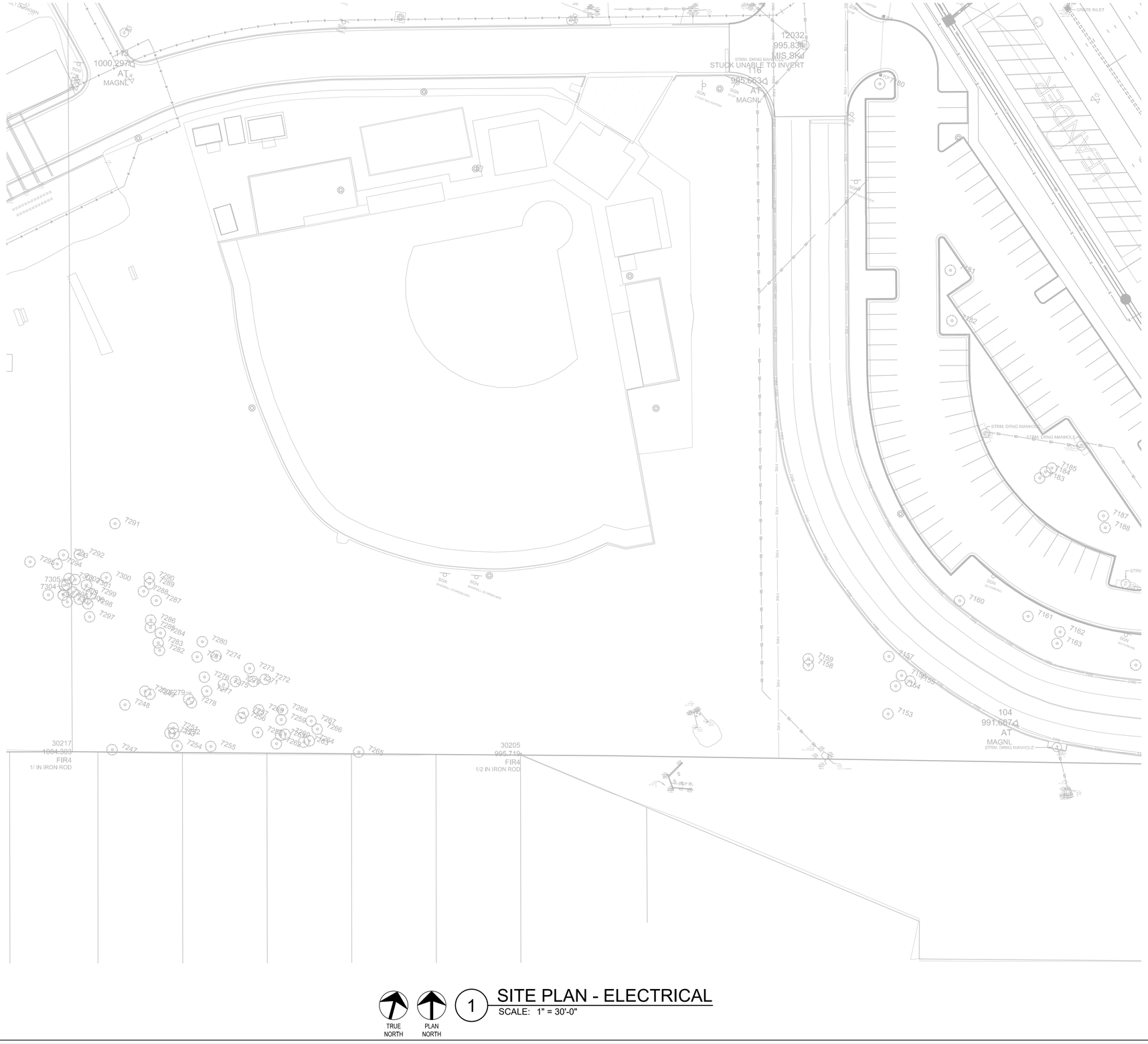
12/19/2025
STATE OF TEXAS
ALEXANDER P. SIMKO
100334
LICENSED
PROFESSIONAL ENGINEER

PERMIT SET

PROJECT NO.:	25494
ISSUED:	12/19/2025
DRAWN BY:	DRN
CHECKED BY:	CHK
SCALE:	1" = 30'-0"

SHEET TITLE
SITE PLAN - ELECTRICAL
2-E1.07

FILE NAME: P:\1 Projects - D\25494 LISD LHS Phase 2\1 Dwgs\Phase 2\25494 E1 ELEC Site Plan.dwg DATE: December 20, 2025, TIME: 1:30 PM, USER: dprice



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PLAN NORTH

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SAN ANTONIO 9830 Colonnade Blvd | Suite 220 | San Antonio, TX 78230
TBPE Firm #18963 TBAE Firm #21412

REVISION

NO.	DATE	DESCRIPTION

12/19/2025
STATE OF TEXAS
ALEXANDER P. SIMKO
100334
LICENSED
PROFESSIONAL ENGINEER

PERMIT SET

PROJECT NO.:	25494
ISSUED:	12/19/2025
DRAWN BY:	DRN
CHECKED BY:	CHK
SCALE:	1" = 30'-0"

SHEET TITLE

SITE PLAN - ELECTRICAL
2-E1.08

99 OF 104

FILE NAME: P:\1 Projects - D\25494 LISD LHS Phase 2\1 Dwgs\Phase 2\25494 E1 ELEC Site Plan.dwg DATE: December 20, 2025, TIME: 1:30 PM, USER: dprice

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TRUE NORTH

PLAN NORTH

1 SITE PLAN - ELECTRICAL
SCALE: 1" = 30'-0"

LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
LEANDER TEXAS
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MEP ENGINEERING
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SAN ANTONIO 9830 Colonnade Blvd | Suite 220 | San Antonio, TX 78230
TBAE REGISTERED ENGINEERING FIRM #4412

REVISION

NO.	DATE	DESCRIPTION

12/19/2025
STATE OF TEXAS
ALEXANDER P. SIMKO
100334
LICENSED
PROFESSIONAL ENGINEER

PERMIT SET

PROJECT NO.:	25494
ISSUED:	12/19/2025
DRAWN BY:	DRN
CHECKED BY:	CHK
SCALE:	1" = 30'-0"

SHEET TITLE

SITE PLAN - ELECTRICAL

2-E1.09

100 OF 104

811 Know what's below. Call before you dig.

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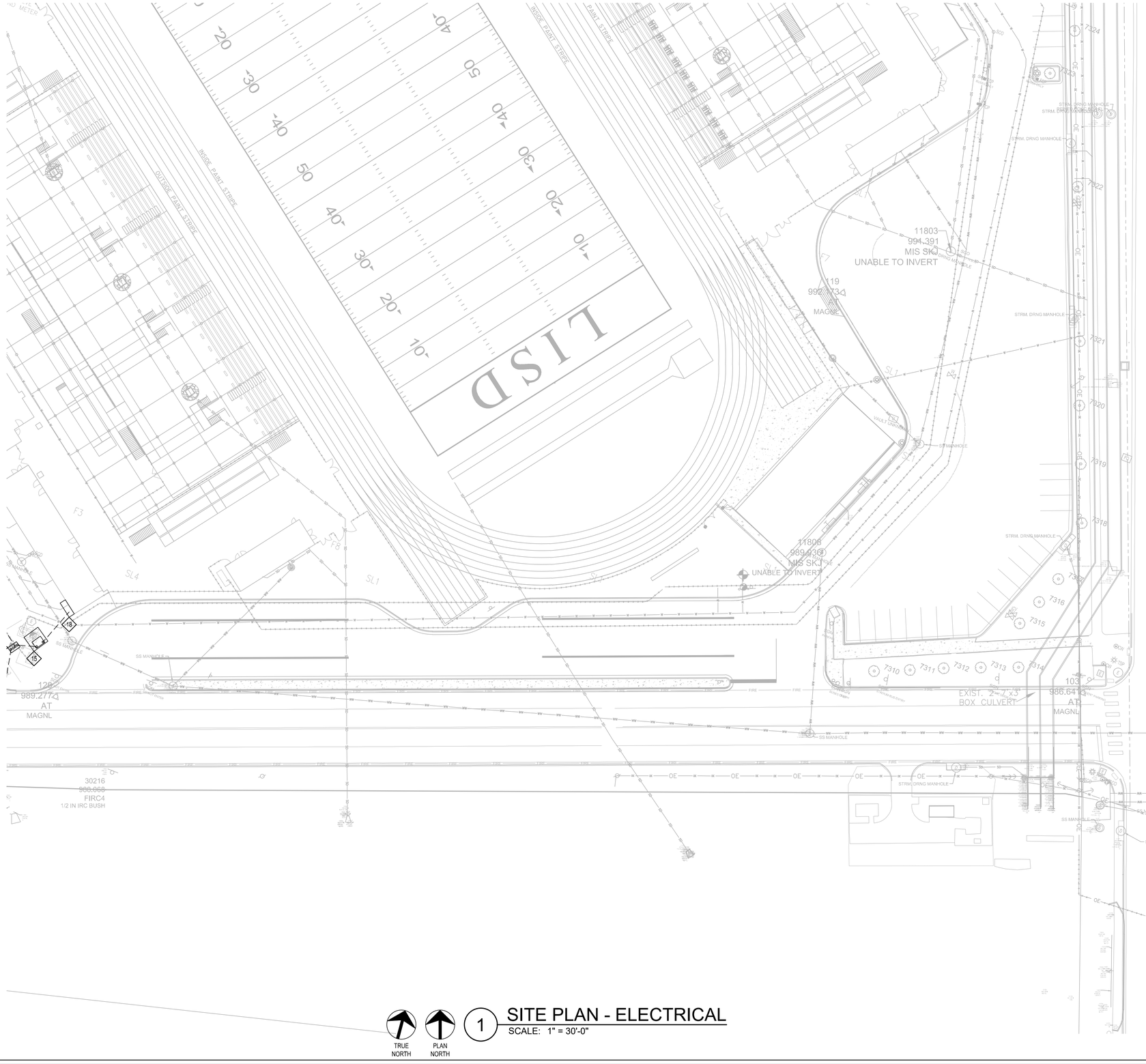
FILE NAME: P:\1 Projects - D\25494 LISD LHS Phase 2\1 Dwgs\Phase 2\25494 E1 ELEC Site Plan.dwg DATE: December 20, 2025, TIME: 1:30 PM, USER: dprice



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LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
LEANDER TEXAS
SD-__-__

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AUSTIN 1120 S Capital of Texas Hwy | Building 1, Suite 150 | Austin, TX 78746
SAN ANTONIO 9830 Colonnade Blvd | Suite 220 | San Antonio, TX 78230
TEXAS REGISTERED ENGINEERING FIRM F-4412

REVISION NO.	DATE	DESCRIPTION

12/19/2025
STATE OF TEXAS
ALEXANDER P. SIMKO
100334
LICENSED PROFESSIONAL ENGINEER

PERMIT SET

PROJECT NO.:	25494
ISSUED:	12/19/2025
DRAWN BY:	DRN
CHECKED BY:	CHK
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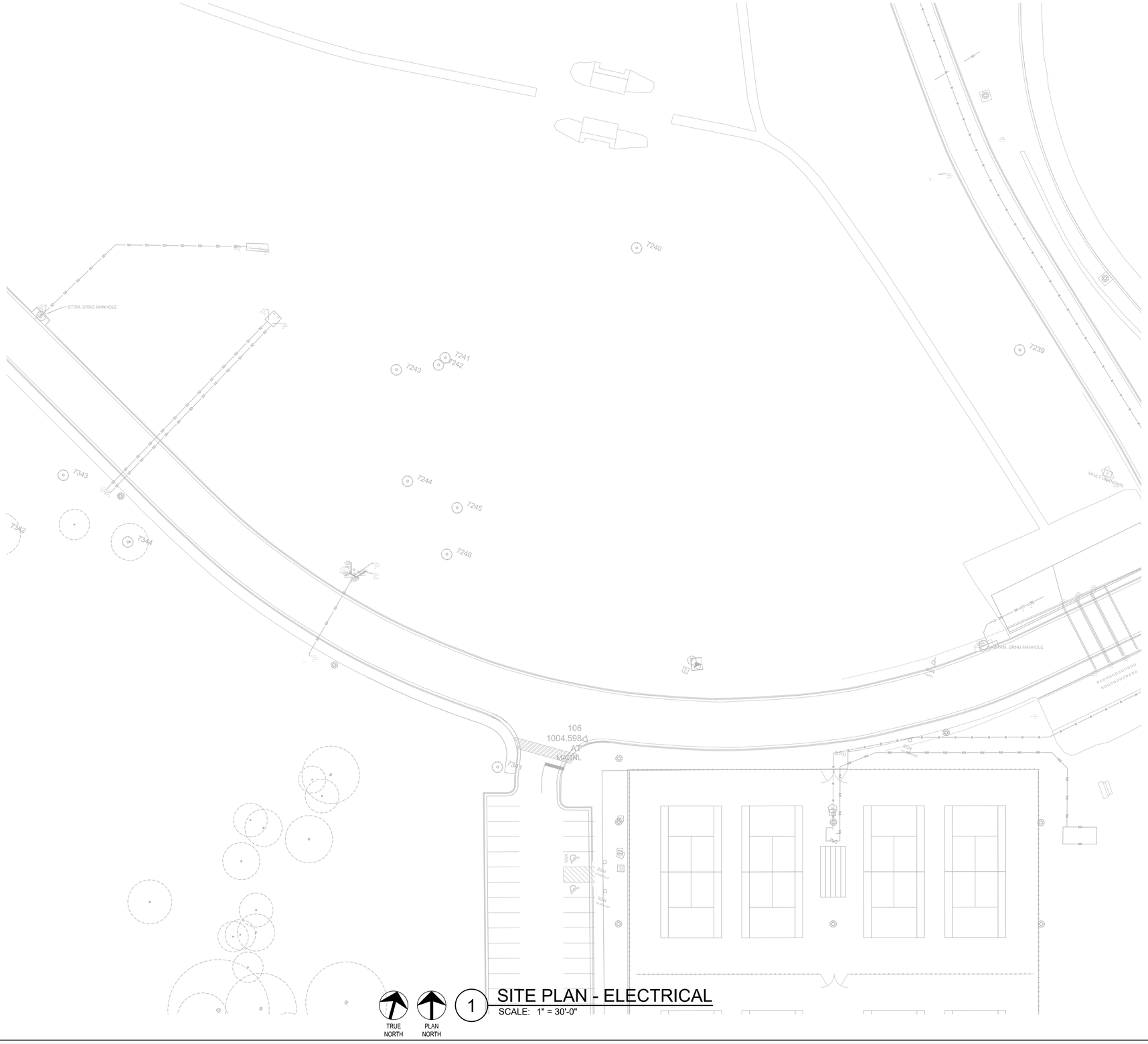
SHEET TITLE

SITE PLAN - ELECTRICAL
2-E1.10

101 OF 104

FILE NAME: P:\1 Projects - D\25494 LISD LHS Phase 2\1 Dwgs\Phase 2\25494 E1 ELEC Site Plan.dwg DATE: December 20, 2025, TIME: 1:30 PM, USER: dprice



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2. NEW PEC LARGE SECTIONALIZING ENCLOSURE ON REINFORCED CONCRETE PAD PER PEC REQUIREMENTS.
3. FURNISH AND INSTALL NEW RISER ON EXISTING IN-LINE SWITCH POLE PER UTILITY COMPANY STANDARDS.
4. STUB UP CONDUITS ON EXISTING UTILITY POLE WITH NEW POLE-MOUNTED 3-PHASE TRANSFORMERS.
5. FOR COACHES' STAND OR BAND TOWER. 30A2PNFN3R DISCONNECT SWITCH AND 2#6,#10GND. MAKE CONNECTION TO EXISTING BRANCH CIRCUIT AT HANDHOLE.
6. CONNECT TO EXISTING UTILITY UNDERGROUND PRIMARY CONDUITS. COORDINATE WITH UTILITY COMPANY.
7. CONNECT TO EXISTING SERVICE LATERAL SERVING AREA B DISTRIBUTION PANEL MSBS.
8. INSTALL UNDERGROUND PRIMARY WORK PER UTILITY COMPANY REQUIREMENTS.
9. TRANSFORMER & METER PAD PER UTILITY COMPANY STANDARDS.
10. NEW HANDHOLE SIZED PER NEC 314.28 REQUIREMENTS. SEE DETAIL 2, SHEET 2-E0.02.
11. STUB OUT SPARE CONDUITS 5 FEET BEYOND ENCLOSURE OR CURB AND CAP BELOW GRADE.
12. 60-FOOT DEEP EARTH GROUND PER SPECIFICATION 26 05 26. INSTALL TEST WELL IN-GROUND BOX. BOND GROUND ROD PER GROUNDING ELECTRODE SYSTEM SCHEMATIC IN PHASE 2A DRAWINGS.
13. UP TO DISTRIBUTION PANEL ON 2ND LEVEL. SEE POWER PLANS IN PHASE 2A DRAWINGS.
14. NEW HANDHOLE SIZED PER NEC 314.28 REQUIREMENTS. SEE DETAIL 2, SHEET 2-E0.02. REVISE/EXTEND EXISTING BRANCH CIRCUIT TO HANDHOLE. EXTEND NEW 2#6, #10GND, 1"C FROM HANDHOLE TO RELOCATED COACHES' STAND. INCLUDE NEW 30A2PNFN3R DISCONNECT SWITCH AT COACHES' STAND.
15. EXISTING UTILITY TRANSFORMER TO REMAIN.
16. EXISTING UTILITY SECTIONALIZING ENCLOSURE TO REMAIN.
17. NEW MAIN BUILDING DISCONNECT.
18. EXISTING MAIN BUILDING DISCONNECT.
19. SPARE PRIMARY CONDUITS.

TRUE NORTH

PLAN NORTH

1 SITE PLAN - ELECTRICAL

SCALE: 1" = 30'-0"

Know what's below. Call before you dig.

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LEANDER HS MASTER PLAN
MODERNIZATION PHASE 2
LEANDER TEXAS
SD-_-____

LEANDER I.S.D.
204 W. SOUTH ST.
LEANDER TEXAS

MEP ENGINEERING
AUSTIN 1120 S Capital of Texas Hwy | Building 1, Suite 150 | Austin, TX 78748
SAN ANTONIO 9830 Colonnade Blvd | Suite 220 | San Antonio, TX 78230
TBAE REGISTERED ENGINEERING FIRM 4412

REVISION NO.	DATE	DESCRIPTION

12/19/2025
STATE OF TEXAS
ALEXANDER P. SIMKO
100334
LICENSED PROFESSIONAL ENGINEER

PERMIT SET

PROJECT NO.:	25494
ISSUED:	12/19/2025
DRAWN BY:	DRN
CHECKED BY:	CHK
SCALE:	1" = 30'-0"

SHEET TITLE

SITE PLAN - ELECTRICAL

2-E1.11

FILE NAME: P:\1 Projects - D\25494 LISD LHS Phase 2\1 Dwgs\Phase 2\25494 E1 ELEC Site Plan.dwg DATE: December 20, 2025, TIME: 1:31 PM, USER: dprice

TRUE NORTH

PLAN NORTH

1 SITE PLAN - ELECTRICAL

SCALE: 1" = 30'-0"

GENERAL NOTES

A. REFER TO DIVISION 26 SPECIFICATIONS.

B. FOR ELECTRIC SERVICE, SEE SPECIFICATION SECTION 26 05 00.10.

C. PRIOR TO ROUGHING IN ELECTRICAL SERVICE, OBTAIN AND COMPLY WITH UTILITY COMPANY DRAWINGS. PEDERNALES ELECTRIC COOPERATIVE CONTACT IS FRANCES MOTLOCH @ (800) 868-479 Ext: 7425.

D. CONCRETE ENCASE PRIMARY ELECTRICAL CONDUITS AS REQUIRED BY UTILITY COMPANY AT, BUT NOT LIMITED TO, THE FOLLOWING LOCATIONS: 90-DEGREE BENDS, CONDUIT CROSSINGS, SLOPED AREAS, AND FLOOD-PRONE AREAS.

E. CONCRETE ENCASE PRIMARY CONDUITS AS REQUIRED BY UTILITY COMPANY WHEREVER THEY CROSS OTHER CONDUITS OR PIPING OF OTHER SYSTEMS.

F. IN ADDITION TO ENCASING UNDERGROUND SERVICE LATERAL, ENCASE FEEDERS AND RACEWAYS 2" OR LARGER OUTSIDE THE BUILDING ENVELOPE PER SPECIFICATION SECTION 26 05 43, ENCASE ALL RACEWAYS CROSSING BELOW BUILDING FOOTPRINT IN CONCRETE FOR A MINIMUM OF 5'-0" AT CROSSING (2'-0" MIN EITHER SIDE), DO NOT INSTALL BEDDING AT CROSSING LOCATION. REFERENCE SPECIFICATION SECTIONS 26 05 43.

G. USE MINIMUM 36" RADIUS FOR BENDS IN CONDUITS SIZED 2" AND LARGER.

H. COORDINATE STUB-UP LOCATIONS WITH POWER PLANS.

I. BRANCH CIRCUITS TO CONSIST OF 1"C WITH #8 CONDUCTORS, UON.

J. INSTALL A DEDICATED NEUTRAL FOR EACH 120V AND 277V CIRCUIT.

K. ROUTE CONDUITS OUTSIDE DRIP LINE OF TREES.

L. INCLUDE QUANTITY OF HANDHOLES AS NEEDED FOR WORKMANLIKE INSTALLATION OF CONDUCTORS. FURNISH HANDHOLES WITH MINIMUM 24"W X 24"L X 36"H INTERIOR DIMENSIONS, UON. INSTALL PER SPECIFICATION 26 05 43 AND DETAIL 2, SHEET 2-E0.02. COORDINATE LOCATION OF HANDHOLES AND ROUTING OF UNDERGROUND RACEWAY WITH ALL TRADES. FURNISH SEPARATE HANDHOLES FOR POWER AND SPECIAL SYSTEMS.

M. SEE TECHNOLOGY DRAWINGS FOR PATHWAYS REQUIRED FOR SITE COMMUNICATIONS. COORDINATE WORK WITH DIV 27.

Q. SEE 2-E2 SERIES SHEETS FOR LIGHT POLE LOCATIONS.

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MODERNIZATION PHASE 2
LEANDER TEXAS
SD-__-____

LEANDER I.S.D.
204 W. SOUTH ST.
LEANDER TEXAS

MEP ENGINEERING
AUSTIN 1120 S Capital of Texas Hwy [Building 1, Suite 150] Austin, TX 78746
SAN ANTONIO 9830 Colonnade Blvd [Suite 220] San Antonio, TX 78230
TEXAS REGISTERED ENGINEERING FIRM F-9312

REVISION NO.	DATE	DESCRIPTION

12/19/2025
STATE OF TEXAS
ALEXANDER P. SIMKO
100334
LICENSED
PROFESSIONAL ENGINEER

PERMIT SET

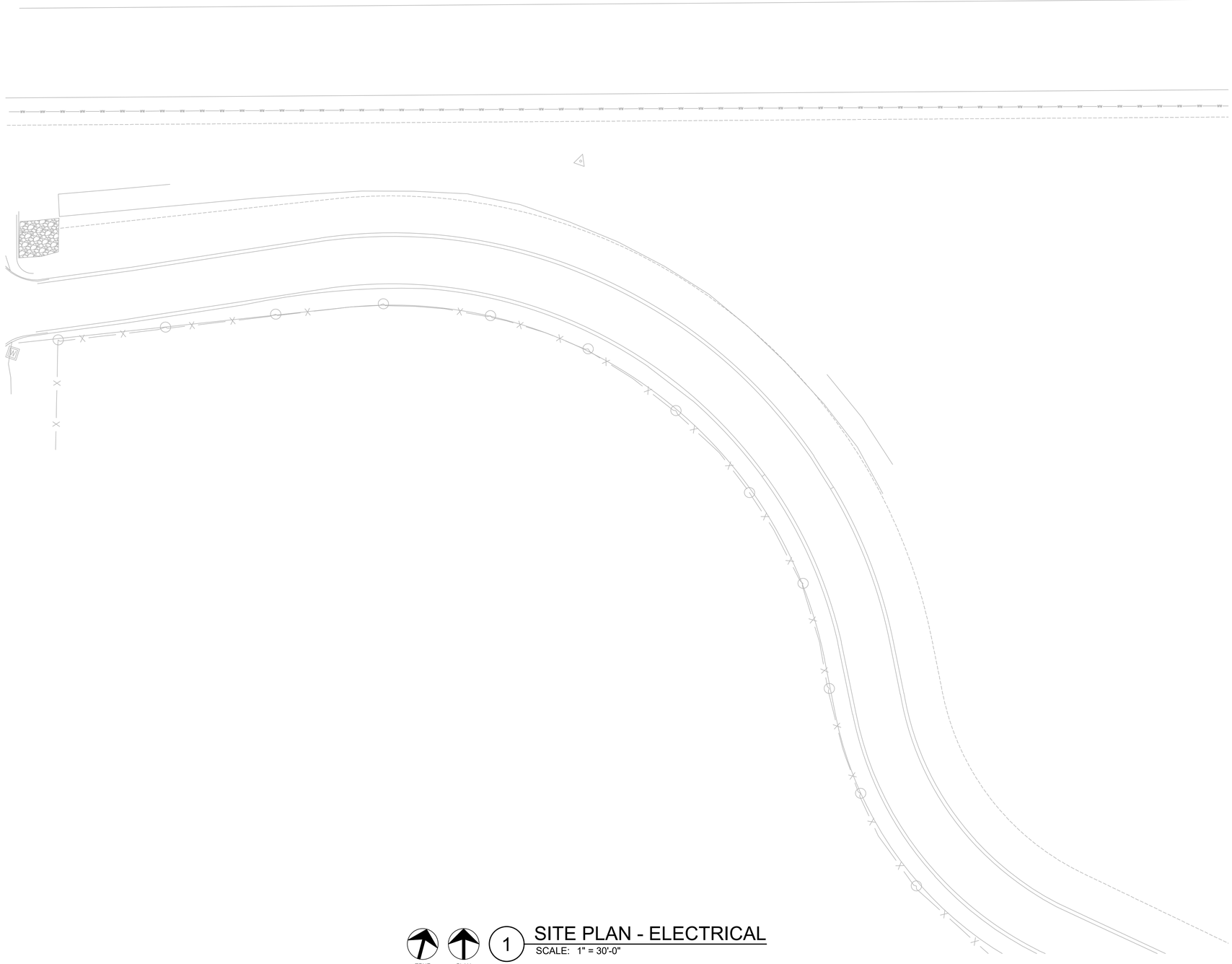
PROJECT NO.:	25494
ISSUED:	12/19/2025
DRAWN BY:	DRN
CHECKED BY:	CHK
SCALE:	1" = 30'-0"

SHEET TITLE

SITE PLAN - ELECTRICAL

2-E1.12

FILE NAME: P:\1 Projects - D\25494 LISD LHS Phase 2\1 Dwgs\Phase 2\25494 E1 ELEC Site Plan.dwg DATE: December 20, 2025, TIME: 1:31 PM, USER: dprice



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SD-_-____

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MEP ENGINEERING
AUSTIN 1120 S Capital of Texas Hwy | Building 1, Suite 150 | Austin, TX 78746
SAN ANTONIO 9830 Colonnade Blvd | Suite 220 | San Antonio, TX 78230
TEXAS REGISTERED ENGINEERING FIRM 4412

REVISION NO.	DATE	DESCRIPTION

12/19/2025
STATE OF TEXAS
ALEXANDER P. SIMKO
100334
LICENSED
PROFESSIONAL ENGINEER

PERMIT SET

PROJECT NO.:	25494
ISSUED:	12/19/2025
DRAWN BY:	DRN
CHECKED BY:	CHK
SCALE:	1" = 30'-0"

SHEET TITLE

SITE PLAN - ELECTRICAL

2-E1.13

FILE NAME: P:\1 Projects - D\25494 LISD LHS Phase 2\1 Dwgs\Phase 2\25494 E1 ELEC Site Plan.dwg DATE: December 20, 2025, TIME: 1:31 PM, USER: dprice